PARCEL 7:

The North half of Block 23, of Chowchilla Ranch Subdivision No 4, as shown on that certain map entitled, "Map of Subdivision No 4 of The Chowchilla Ranch, Merced and Madera Counties, California", according to the map thereof recorded October 10, 1912 m Book 3, Page 11 of Maps, Madera County Records, and recorded September 11, 1912, in Book 5, Page 31 of Maps, Merced County Records.

Excepting therefrom the North 1250 feet of said Block 23.

Also Excepting therefrom the Southwest quarter of the Southwest quarter of the Northwest quarter of said Block 23, as conveyed to the Alview Union School District of Madera County by Deed dated October 25, 1963 and recorded November 22, 1963 in Book 884 of Official Records, Page 273, Madera County Records.

APN 020-160-015

PARCEL 8:

All of Block 21, of Chowchilla Ranch Subdivision No 4, as shown on that certain map entitled, "Map of Subdivision No 4 of The Chowchilla Ranch, Merced and Madera Counties, California", according to the map thereof recorded October 10, 1912 m Book 3, Page 11 of Maps, Madera County Records, and recorded September 11, 1912 m Book 5, Page 31 of Maps, Merced County Records.

Excepting therefrom that portion described as follows:

Beginning at the Southeast corner of said Block 21, thence along the South line of said Block South 89°31' West 5540.95 feet to the Southwest corner thereof, thence along the West line of said Block, North 00°24' West 2808.75 feet; thence North 89°48' East 5530.85 feet to the East line of said Block, thence along said East line South 00°36'30" East 2781,81 feet to the place of beginning.

Also Excepting therefrom all that portion conveyed to the County of Madera, by Deed recorded March 17, 2000 as Document No. 2000-006137 of Official Records, Madera County Records.

APN. portion of 020-120-003

PARCELS 9 AND 10 ARE EASEMENTS

PARCEL 11:

All that portion of Block 21, of Chowchilla Ranch Subdivision No 4, as shown on that certain map entitled, "Map of Subdivision No 4 of The Chowchilla Ranch, Merced and Madera Counties, California", according to the map thereof recorded October 10, 1912 in Book 3, Page 11 of Maps, Madera County Records, and recorded September 11, 1912 in Book 5, Page 31 of Maps, Merced County Records, described as follows:

Beginning at the Southeast corner of said Block 21, thence along the South line of said Block South 89°31' West 5540.95 feet to the Southwest corner thereof, thence along the West line of said Block North 00°24' West 2808.75 feet, thence North 89°48' East 5530.85 feet to the East line of said Block, thence along said East line South 00°36'30" East 2781.81 feet to the place of beginning.

Excepting therefrom all that portion conveyed to the County of Madera, by Deed recorded November 26, 1958 in Book 730, Page 546 of Official Records, as Document No. 11227, Madera County Records.

Also Excepting therefrom all that portion conveyed to the County of Madera, by Deed recorded March 17, 2000 as Document No 2000-006137 of Official Records, Madera County Records.

APN: remainder of 020-120-003

PARCEL 12:

The Northeast quarter of Block 23, of Chowchilla Ranch Subdivision No 5, as shown on that certain map entitled, "Map of Subdivision No 5 of The Chowchilla Ranch, Merced and Madera Counties, California", according to the map thereof recorded October 10, 1912 in Book 3, Page 12 of Maps, Madera County Records, and recorded September 11, 1912 in Book 5, Page 30 of Maps, Merced County Records, lying Northerly of that portion conveyed to the Sacramento and San Joaquin Drainage District by Deed dated April 5, 1963, and recorded September 4, 1963 in Book 877, Page 646 of Official Records, Madera County Records.

APN: remainder of APN 020-150-010

PARCEL 13.

The East half of Block 24, of Chowchilla Ranch Subdivision No 5, as shown on that certain map entitled, "Map of Subdivision No 5 of The Chowchilla Ranch, Merced and Madera Counties, California", according to the map thereof recorded October 10, 1912 in Book 3, Page 12 of Maps, Madera County Records, and recorded September 11, 1912 in Book 5, Page 30 of Maps, Merced County Records.

Excepting therefrom the North 30 feet of said East half of Block 24, as conveyed to the County of Madera in Deed dated January 21, 1959 and recorded February 5, 1959 in Book 736 of Official Records, Page 43, Madera County Records.

APN 020-140-004

PARCEL WITHIN MADERA COUNTY & MERCED COUNTY:

PARCEL 14:

The East half of Block 15, the Northeast quarter of Block 21, the Southwest quarter of Block 14 and the West half of Block 22, of Chowchilla Ranch Subdivision No 5, as shown on that certain map entitled, "Map of Subdivision No 5 of The Chowchilla Ranch, Merced and Madera Counties, California", according to the map thereof recorded October 10, 1912 in Book 3, Page 12 of Maps, Madera County Records, and recorded September 11, 1912 in Book 5, Page 30 of Maps, Merced County Records.

Excepting therefrom any portion lying with Madera County.

Also Excepting therefrom that portion lying Southwesterly of the Northeasterly boundary of the right of way for the Eastside Bypass of the Lower San Joaquin River Flood Control Project.

Also Excepting therefrom that portion lying Northerly of the following described line:

Beginning at a point in the North line of the South half of said Block 14, said point bears along said North line, South 89°52'36" East 126.06 feet from the East quarter corner of said Block 15, said East quarter corner being at coordinates Y=209 870 09 feet and X=1 997 259 58 feet, thence along a line parallel with and 97 feet Southeasterly, measured at right angles from the centerline of the Department of Public Works survey from 1.0 mile East of Route 33 (South) at Palm Avenue to the Madera County line, road 10-MER-152, the following courses (1) South 62°58'50" West 91.41 feet and (2) South 62°58'11" West 1750.73 feet, thence (3) South 62°02'19" West 451.94 feet to the Northeasterly boundary of the right of way for the Eastside Bypass of the Lower San Joaquin River Flood Control Project.

APN: 074-160-050

EXHIBIT B

Legal Description - Cross Creek Property

APNs: 020-170-008, 020-200-001, 020-170-010 and 020-181-005

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF MADERA, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

PARCEL ONE:

All that portion of Blocks 27 and 32 lying North of a line which is the Westerly extension of the South line of the North half of Blocks 31 and 32 lying within Madera County, California to the centerline of the San Joaquin River, all as shown on that certain map entitled "Map of Subdivision No. 5 of the Chowchilla Ranch, Merced and Madera County, California", filed and recorded in the office of the County Recorder of Madera County, California on October 10, 1912 in Book 3, at Page 12 of Maps.

EXCEPTING THEREFROM said Block 27, that portion thereof containing 111.673 acres, more or less, described in Deed dated October 25, 1971, executed by Eleanor G. Stone, et al., to John Harman, Jr., recorded November 1, 1971, in Book 1105 of Official Records, at Page 102, as Instrument No. 13629.

APN: 020-170-008 AND 020-200-001

PARCEL TWO:

That portion of Block 27, in Township 10 South, Range 13 East, Mount Diablo Base and Meridian, according to "Map of Subdivision No. 5 of the Chowchilla Ranch," filed for record October 10, 1912 in Book 3, at Page 12 of Maps, Madera County records, described as follows:

Beginning at a point on the North line of said Block 27, that is South 89°32′ West, 2427.0 feet from the Northeast corner thereof, said point beginning on the right bank of the San Joaquin River; thence North 89°32′ East, 953.29 feet along the North line of said Block 27 to the Southwest corner of that certain 139.92 acre parcel of land conveyed to Hugo Harmen and Alice F. Harmen, by Deed recorded April 4, 1955 in Book 635 of Official Records, at page 89, Madera County Records; thence the following course and distances, along the centerline of the Fresno River Channel, South 9°40′ East 360.85 feet; South 6°25′ East, 430.0 feet; South 13°31′40″ East, 526.86 feet; South 06°35′ East, 415.0 feet; South 10°56′ East,

590.69 feet; thence South 06°33'40" West, 121.87 feet to the TRUE POINT OF BEGINNING; thence continuing South 06°33'40" West, 316.86 feet; thence South 01°34' West, 543.23 feet; thence leaving said Fresno River Channel, North 89°46'30" West, 2240.0 feet, more or less, to the right bank of the San Joaquin River; thence following the right bank of said San Joaquin River in its meander downstream, the following courses and distances: North 39°36'08" East, 165.90 feet; North 45°40'31" East, 140.32 feet; North 50°49'20" East, 587.92 feet; North 36°55'08" East, 130.49 feet; North 23°36'05" East, 87.03 feet; North 07°10'36" East, 115.07 feet; thence leaving said right river bank North 88°13'35" East, 1504.01 feet, to the true point of beginning.

APN: 020-170-010

PARCEL THREE:

The Northwest Quarter of Block 30 and the North half of Block 31, of Chowchilla Ranch Subdivision No. 5, as shown on that certain map entitled: Map of Subdivision No. 5 of the Chowchilla Ranch, Merced and Madera Counties", filed and recorded in the Office of the County Recorder of the County of Madera, State of California, October 10, 1912 in Book 3, at Page 12.

APN: 020-181-005

EXHIBIT C

Legal Description - Hancock Property

LEGAL DESCRIPTION OF TRIANGLE T WATER DISTRICT

All that real property in the unincorporated area of the County of Madera, State of California, described as follows:

PARCEL 1

All that portion of the South half of Blocks 35 and 36 of Subdivision No. 4 of the Chowchilla Ranch, according to the map thereof recorded October 10, 1912 in Volume 3 of Maps at Page 11, Madera County Records, and all that portion of Blocks 4, 5, 8, 9, 10 and the West half of Block 11 of Subdivision No. 3 of the Chowchilla Ranch, according to the map thereof recorded October 10, 1912 in Volume 3 of Maps at Page 10, Madera County Records, lying Northerly of and Easterly of the following described line:

Beginning at the Northwest corner of said Block 5, said point also being the Southwest corner of said Block 35, said point being marked by a 2" diameter iron pipe; thence from said POINT OF BEGINNING, N.90°00'00"E. 13.92 feet; thence 5.00°05'39"E. 574.85 feet; thence S.25"44'03"E. 556.00 feet; thence S.33"09'25"E. 1288.50 feet; thence S.24"09'39"E. 1390.01 feet; S.46"42'20"E. 580.49 feet; thence S.79"27'25"E. 311.23 feet; thence S.55"22'21"E. 327.06 feet; thence S.60"42'41"E. 531.38 feet; thence S.55"02'03"E. 1696.87 feet; thence S.52"49'48"E. 596.04 feet to the centerline of an existing canal; thence along said canal centerline the following four courses, N.89"44'44"E. 5894.15 feet; thence S.74"58'00"E. 4591.36 feet; thence N.69"42'58"E. 2276.32 feet; thence N.58"12'23"E. 537.39 feet more or less to the southwesterly boundary of that parcel of land described as "Parcel 3265-A" in the deed recorded September 08, 1966 in Volume 970, Page 445, Madera County Official Records.

Excepting therefrom the said West half of Block 11 that portion thereof heretofore conveyed to the Sacramento and San Joaquin Drainage District by the Deed recorded September 8, 1966 in Volume 970 of Official Records, Page 445, Madera County Records, Instrument No. 12107.

APN's: 020-220-002, 021-130-005, 022-020-001 POR., 022-030-001, 022-100-002 POR., 022-110-001 POR., 022-120-001 POR., 022-130-007 POR.

Containing 1915.7± Acres

PARCEL 2

All that portion of Blocks 5, 6, 7, 8 and 17 of Subdivision No. 3 of the Chowchilla Ranch, according to the map thereof recorded October 10, 1912 in Volume 3 of Maps at Page 10, Madera County Records, lying Westerly of the following described line:

Beginning at the Northwest corner of said Block 5, said point also being the Southwest corner of said Block 35, said point being marked by a 2" diameter iron pipe; thence from said POINT OF BEGINNING, N.90*00*00*E. 13.92 feet; thence S.00*05*39*E. 574.85 feet; thence S.25*44*03*E. 556.00 feet; thence S.33*09*25*E. 1288.50 feet; thence S.24*09*39*E. 1390.01 feet; S.46*42*20*E. 580.49 feet; thence S.79*27*25*E. 311.23 feet; thence S.55*22*21*E. 327.06 feet; thence S.60*42*41*E. 531.38 feet; thence S.55*02*03*E. 1696.87 feet; thence S.52*49*48*E. 596.04 feet to the centerline of an existing canal; thence along said canal centerline, S.00*14*23*W. 5774.02 feet to the centerline of an existing canal; thence along said canal centerline N.33*47*35*W. 925.86 feet; thence leaving said canal centerline N.89*31*42*W. 939.66 feet; thence N.45*42*37*W. 70.31 feet to a point on the line established as the division line between Miller & Lux Incorporated, and Alexander B. Fleming and David Johnson, by Deeds recorded in Volume 29 of Deeds, at Pages 389 and 393, Madera County Records, said point being marked with a 5/8" rebar tagged "LS 4298".

Together with all that portion of Block 34 in Subdivision No. 5 of the Chowchilla Ranch, according to the map thereof recorded October 10, 1912 in Volume 3 of Maps at Page 12, Madera County Records, described as follows:

Beginning at the Northeast corner of said Block 34; thence S.01°25'00"E. 1228.80 feet along the east line of said Block to a point on an East-West fence; thence along said fence the following courses: N.87°43'00"W. 102.15 feet; N.83°26'00"W. 948.00 feet; N.70°39'00"W. 637.50 feet; N.60°37'00"W. 937.75; N.72°32'00"W. 254.75 feet; N.84°18'00"W. 465.00 feet; N.21°29'00"W. 151.00 feet; and N.09°01'00"E. 156.5 feet to a point on the North line of said Block 34; thence along said North line, N.89°28'00"E. 3167.00 feet to the POINT OF BEGINNING.

Excepting therefrom the said Blocks 6 and 7 that portion described as follows:

Beginning at the Southwest corner of Block 7; thence along the South line of said Block N.89*29'00"E. 2390.40 feet to a fence corner; thence along a North-South fence the following five courses: N.02*05'00"W. 1906.00 feet; N.26*40'00"W. 1664.00 feet; N.12*53'00"W. 1877.75 feet to a point on the North line of Block 7; thence N.12*53'00"W. 4185.10 feet; thence N.87*43'00"W. 455.90 feet to a point on the West line of Block 6 (which point bears S.01*25'00"E. 1228.80 feet from the Northwest corner of Block 6); thence along the West line of Block 6, S.01*25'00"E. 4052.20 feet to the Southwest corner of Block 6; thence S.01*25'00"E. 5298.20 feet along the West line of Block 7 to the POINT OF BEGINNING.

Also excepting therefrom that portion, if any, of Blocks 7, 8 and 17 lying South and West of the lines established as the division lines between Miller & Lux Incorporated, and Alexander B. Fleming and David Johnson, by Deeds recorded in Volume 29 of Deeds, at Pages 389 and 393, Madera County Records.

APN's: 022-010-003, 022-010-006, 022-010-005, 022-010-007, 022-020-001 POR., 022-090-006, 022-090-004, 022-090-005, 022-100-004, 022-100-003, 022-100-002, POR., 022-170-004 POR.

Containing 1734.6± Acres

PARCEL 3

All that portion of Blocks 8, 9, 10, the West half of Block 11, the West half of Block 14, Blocks 15, 16, 17, 18, 19 & 20, the West half of Block 21 and Blocks 26, 27 & 28 of Subdivision No. 3 of the Chowchilla Ranch, according to the map thereof recorded October 10, 1912 in Volume 3 of Maps at Page 10, Madera County Records lying Southerly and Easterly of the following described line:

Commencing at the Northwest corner of Block 5 of said Subdivision No. 3 of the Chowchilla Ranch, said point also being the Southwest corner of said Block 35, said point being marked by a 2" diameter iron pipe; thence from said point of commencement, N.90°00'00"E. 13.92 feet; thence S.00°05'39°E. 574.85 feet; thence S.25*44'03"E. 556.00 feet; thence S.33*09'25"E. 1288.50 feet; thence S.24*09'39"E. 1390.01 feet; S.46*42'20"E. 580.49 feet; thence S.79*27'25"E. 311.23 feet; thence S.55*22'21"E. 327.06 feet; thence S.60°42'41"E. 531.38 feet; thence S.55°02'03"E. 1696.87 feet; thence S.52°49'48"E. 596.04 feet to the centerline of an existing canal and the POINT OF BEGINNING; thence along said canal centerline 5.89*44'44"W. 714.62 feet; thence leaving said canal centerline, S.00*14'23"W. 5774.02 feet to the centerline of an existing canal; thence along said canal centerline N.33*47'35"W. 925.86 feet; thence leaving said canal centerline N.89*31'42"W. 939.66 feet; thence N.45*42'37"W. 70.31 feet to a point on the line established as the division line between Miller & Lux Incorporated, and Alexander B. Fleming and David Johnson, by Deeds recorded in Volume 29 of Deeds, at Pages 389 and 393, Madera County Records, said point being marked with a 5/8" rebar tagged "LS 4298". Also, from said POINT OF BEGINNING, proceeding along said centerline of canal the following four courses, N.89°44'44"E. 5894.15 feet; thence S.74"58'00"E. 4591.36 feet; thence N.69"42'58"E. 2276.32 feet; thence N.58"12'23"E. 537.39 feet more or less to the southwesterly boundary of that parcel of land described as "Parcel 3265-A" in the deed recorded September 08, 1966 in Volume 970, Page 445, Madera County Official Records.

Excepting therefrom all that portion of the West half of Block 14, Blocks 15, 19 & 20, the West half of Block 21 and Blocks 26, 27 & 28 of Subdivision No. 3 of the Chowchilla Ranch, according to the map thereof recorded October 10, 1912 in Volume 3 of Maps at Page 10, Madera County Records lying Southerly and Easterly of the following described line:

Beginning at a point on the line as established between Miller & Lux incorporated, and Alexander B. Fleming and David Johnson, by Deeds recorded in Volume 29 of Deeds, at Pages 389 and 393, Madera County Records, said point being in an existing East-West fence line and marked by a 5/8" rebar, tagged "LS 4298", said point bears \$14*29'15"E 32,949.69 feet from the said Northwest corner of Block 5; thence from said POINT OF BEGINNING, N.00*45'15"W. 14620.66 feet; thence \$.89*59'43"E. 2647.24 feet; thence \$.89*41'12"E. 2664.61 feet; thence N.00*31'08"W. 1306.04 feet; thence \$.89*39'28"E. 4394.30 feet; thence N.00*27'35"W. 849.60 feet; thence N.83*59'44"E. 638.08 feet to the centerline of an existing canal; thence along said canal centerline \$.63*18'47"E. 326.92 feet to its intersection with the East line of the said West half of Block 14, said point of intersection bears N.00*42'15"W. 778.83 feet from a 2" diameter iron pipe marking the Southeast corner of the said West half of Block 14.

Also excepting therefrom the said West half of Block 11 that portion thereof heretofore conveyed to the Sacramento and San Joaquin Drainage District by the Deed recorded September 8, 1956 in Volume 970 of Official Records, Page 445, Madera County Records, Instrument No. 12107.

Also excepting therefrom that portion, if any, of Blocks 8, 17, 18, 27 and 28 lying South and West of the said lines established as the division lines between Miller & Lux Incorporated, and Alexander B. Fleming and David Johnson, by Deeds recorded in Volume 29 of Deeds, at Pages 389 and 393, Madera County Records.

APN's: 022-100-002 POR., 022-110-001 POR., 022-120-001 POR., 022-130-007 POR., 022-170-003 POR., 022-170-004 POR., 022-170-005, 022-180-001, 022-190- 001, 022-200-008, 043-013-003, 043-013-005, 043-015-002, 043-015-004, 043-015-005, 043-021-001 POR., 043-023-004 POR., 043-023-003 POR., 043-014-002, 043-016-002 POR., 043-016-004 POR., 043-016-003 POR., 043-022-002 POR., 043-061-004, 043-063-002 POR., 043-064-003 POR., 043-064-004 POR.

Containing 5039.9± Acres

PARCEL 4

All that portion of the West half of Block 14, Blocks 15, 19 & 20, the West half of Block 21, the West half of Block 24, Blocks 25, 26, 28 & 29 and the West half of Block 30 of Subdivision No. 3 of the Chowchilla Ranch, according to the map thereof recorded October 10, 1912 in Volume 3 of Maps at Page 10, Madera County Records lying Southerly and Easterly of the following described line:

Beginning at a point on the line as established between Miller & Lux Incorporated, and Alexander B. Fleming and David Johnson, by Deeds recorded in Volume 29 of Deeds, at Pages 389 and 393, Madera County Records, said point being in an existing East-West fence line and marked by a 5/8" rebar, tagged "LS 4298", said point bears \$14*29'15"E 32,949.69 feet from the said Northwest corner of Block 5; thence from said POINT OF BEGINNING, N.00*45'15"W. 14620.66 feet; thence \$.89*59'43"E. 2647.24 feet; thence \$.89*41'12"E. 2664.61 feet; thence N.00*31'08"W. 1306.04 feet; thence \$.89*39'28"E. 4394.30 feet; thence N.00*27'35"W. 849.60 feet; thence N.83*59'44"E. 638.08 feet to the centerline of an existing canal; thence along said canal centerline \$.63*18'47"E. 326.92 feet to its intersection with the East line of the said West half of Block 14, said point of intersection bears N.00*42'15"W. 778.83 feet from a 2" diameter iron pipe marking the Southeast corner of the said West half of Block 14.

Excepting therefrom, Beginning at the Northwest corner of said Block 24; thence S.00°00'52"E. along the West line of said Block 24 a distance of 40.00 feet to the true Point of Beginning; thence S.00°00'52"E. along the West line of said Block 24 a distance of 2600.83 feet to the West corner of said Block 24; thence S.89°25'31"E. along the South line of the Northwest quarter of said Block 24 a distance of 980.78 feet; thence N.00°01'28"E. a distance of 2601.15 feet to a point 40.00 feet South of the North line of said Block 24; thence N.89°26'43"W. parallel with the North line of said Block 24 a distance of 982.53 feet to the true POINT OF BEGINNING.

Also excepting therefrom, Beginning at the center of said Block 24; thence N.89*25'31"W. along the South line of the Northwest quarter of said Block 24 a distance of 1660.17 feet; thence N.00*01'28"E. a distance of 2601.25 feet to a point 40.00 feet south of the North line of said Block 24; thence S.89*26'43"E. and parallel with the North line of said Block 24 a distance of 1657.79 feet to a point on the East line of the Northwest quarter of said Block 24, distant thereon 5.00*01'42"E. 40.00 feet from the North quarter corner of said Block 24, thence 5.00*01'42"E. along the East line of the Northwest quarter of said Block 24 a distance of 2601.76 feet to the POINT OF BEGINNING.

Also excepting therefrom that portion, if any, of Blocks 28, 29 and 30 lying South of the said lines established as the division lines between Miller & Lux incorporated, and Alexander B. Fleming and David Johnson, by Deeds recorded in Volume 29 of Deeds, at Pages 389 and 393, Madera County Records.

APN's: 043-021-001 POR., 043-023-004 POR., 043-023-003 POR., 043-016-002 POR., 043-016-003 POR., 043-016-004 POR., 043-022-002 POR., 043-022-003, 043-024-004, 043-024-003, 043-053-003, 043-071-001, 043-073-010, 043-064-004 POR., 043-072-001, 043-074-001

Containing 3581.6± Acres

PARCEL 5

All those portions of lots 1246, 1247, 1248, 1249 and 1250 in Block 37, and of Lots 1269, 1270, 1271, 1272, 1273, 1274, 1275 and 1294 to 1301, inclusive, in Block 3, and of Lots 1293, 1302 and 1303 in Block 2 of Dairyland Farms Subdivision No. 4, according to the map thereof recorded November 15, 1916 in Volume 4 of maps at pages 39 and 40, Madera County Records, which lie southerly and southwesterly of the southwesterly line of the parcel of land designated parcel 3265-a described in the deed from Triangle T Ranch, Inc., to the Sacramento and San Joaquin Drainage District recorded September 8, 1966 in Volume 970 of Official Records, page 445, Madera County records, instrument No. 12107.

APNs 022-040-003; 022-050-006 and 021-130-008

EXHIBIT "D"

Description - SLCC's Arroyo Canal headworks upstream of Sack Dam

ARROYO CANAL:

That part of sections 12, 11, 10 and 3 of Township 11 South, Range 13 East, M.D.B.&M., Fresno County, California, as shown on the "Miller & Lux Subdivision" maps of said Sections, being more particularly described as follows:

Part 1 of 4 Parts: The portion situated within said Section 12: A strip of land, 216' wide, the north line of which is described as follows: Beginning at a point on the west of said Section 12, which bears North 0' 04' 00" East, a distance of 1317.50 feet from the southwest corner thereof; thence North 73' 38' 00" East, a distance of 244.65 feet; thence South 83' 33' 00" East, a distance of 175.00 feet; thence South 49' 12' 00" East, a distance of 115.00 feet; thence South 21' 41' 00" East, a distance of 195.00 feet; thence South 25' 50' 00" East, a distance of 150.00; thence South 40' 00' 00" East, a distance of 120.00 feet; thence South 67' 20' 00" East, a distance of 140.00 feet; thence South 77' 05' 00" East, a distance of 750.00 feet; thence, South 79' 10' 00" East, a distance of 440.00 feet; thence South 76' 50' 00" East, a distance of 425.00 feet to termination of said north line and strip at the west line of the Poso Canal. Containing 13.52 acres, more or less.

Part 2 of 4 Parts: The portion situated within said Section 11: A strip of land, 216' wide, the north line of which is described as follows: Beginning at a point on the east line of said Section 11, which bears North 0° 04' 00" East, a distance of 1317.50 feet from the southeast corner thereof; thence South 77" 40' 00" West, a distance of 175.00 feet; thence North 79" 10' 00" West, a distance of 350.00 feet; thence North 70° 07' 00" West, a distance of 337.85 feet; thence South 86° 35' 00" West, a distance of 225.00 feet; thence North 79° 25' 00" West, a distance of 285.00 feet; thence North 73° 25' 00" West, a distance of 210.00 feet; thence North 56° 46' 00" West, a distance of 900.00 feet; thence North 76° 56' 00" West, a distance of 250.00; thence North 47' 11' 00" West, a distance of 285.00 feet; thence North 81' 26' 00" west, a distance of 270.00 feet; thence North 87° 41' 00" West, a distance of 230.00 feet; thence North 68° 26' 00" West, a distance of 270.00 feet, thence North 45° 56' 00" West, a distance of 195.00 feet; thence North 32'56' 00" West, a distance of 305.00 feet; thence North 82" 01' 00" West, a distance of 350.00 feet; thence North 53° 36' 00" West, a distance of 325.00 feet; thence North 88' 27' 00" West, a distance of 260.00 feet; thence North 65' 17' 00" West, a distance of 225.00 feet; thence North 77° 33' 00" West, a distance of 340.00 feet; thence North 75° 56' 30" West, a distance of 73.65 feet, to the termination of said north line and strip at the west line of said Section 11, which point bears South 00° 05° 30" East, a distance of 1948.61 feet from the northwest corner thereof. Containing 29.03 acres, more or less.

Part 3 of 4 Parts: The portion situated within said Section 10: A strip of land, 180' wide, the north line of which is described as follows: Beginning at a point on the east line of said Section 10, which bears South 00' 05' 30" East, a distance of 1948.61 feet from the northeast corner thereof; thence North 75' 56' 30" West, a distance of 30.02 feet; thence North 48' 43' 30" West, a distance of 144.69 feet; thence North 23' 12' 00" West, a distance of 260.09 feet; thence North

45° 46° 30" West, a distance of 313.78 feet; thence North 2° 47° 00" West, a distance of 423.98 feet; thence North 21° 15° 30" West, a distance of 1014.83 feet to the termination of said north line and strip at the north line of said Section 10, which point bears South 88° 43° 00" West, a distance of 849.60 feet from the northeast corner thereof. Containing 9.64 acres, more or less.

Part 4 of 4 Parts: The portion situated with said Section 3: A strip of land, 180' wide, the north line of which is described as follows: Beginning at a point on the south line of said Section 3, which point bears South 88° 43' 00" West, a distance of 849.60 feet from the southeast corner thereof; thence North 23° 49' 00" West, a distance of 584.06 feet, thence North 30° 20' 00" West, a distance of 194.03 feet; thence North 46° 43' 00" West, a distance of 667.77 feet; thence North 67° 39' 00" West, a distance of 807.81 feet; thence North 79° 46' 00" West, a distance of 1169.23 feet; thence North 72° 59' 00" West, a distance of 145.43 feet; thence North 49' 55' 00" West, a distance of 89.32 feet; thence North 35° 06' 00" West, a distance of 271.88 feet; thence North 52" 35' 00" West, a distance of 159.96 feet; thence North 83' 14' 00" West, a distance of 205.61 feet; thence South 84° 04' 00" West, a distance 112.82 feet; thence North 86° 09' 00" West, a distance of 85.63 feet; thence North 65° 26' 00" West, a distance of 90.90 feet; thence North 84° 29' 00" West, a distance of 95.13 feet; thence South 61' 44' 00" West, a distance of 142.48 feet; thence South 74° 47' 30" West, a distance of 86.94 feet, thence South 89° 25' 30" West, a distance of 69.57 feet; thence North 51° 11' 00" West, a distance of \$2.33 feet; thence North 34° 39' 00" West, a distance 310.62 feet, to the termination of said north line and strip at a point which bears North 0° 06' 30" West, a distance of 2423.60 feet, and North 65° 51' 00" East, a distance of 4.87 feet, and North 65" 49" 00" East, a distance of 124.87 feet from the southwest corner of said Section 3. Containing 22.05 acres, more or less.

EXHIBIT E

DESCRIPTION OF CCID POSO CANAL IN AREA OF FACILITIES

That part of sections 4, 5, and 9, Township 12 South., Range 14 East, M.D.B.&M., Sections 18, 19, 30, and 31, Township 11 South, Range 14 East, M.D.B.& M., Sections 1, 2, 12, and 13 Township 11 South, Range 13 East, M.D.B.&M., and Sections 28, 34 and 35, Township 10 South, Range 13 East, M.D.B.&M., within Fresno County, California, as shown on the "Miller & Lux Subdivision" maps of said Sections, and as described in the "Final Agreement of Sale and Purchase" between the San Joaquin Canal Company and Central California Irrigation District recorded January 25, 1954, in Book 3393, of Official Records, at Page 612, Fresno County Records, being more particularly described as follows:

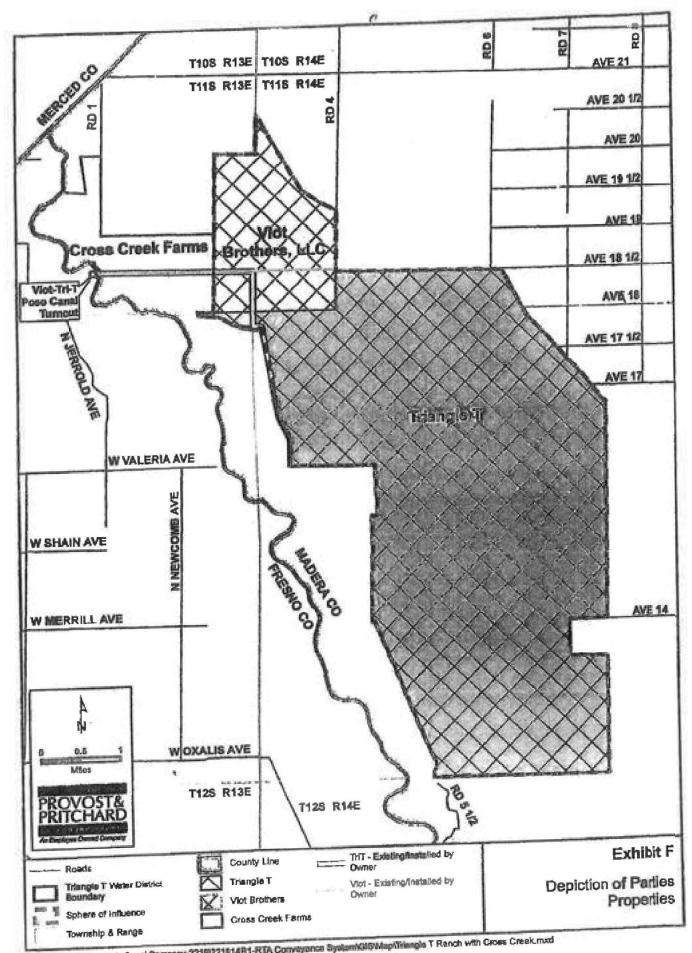
A strip of land 110.0 feet in width, lying equally 55.0 feet on either side of and parallel to the center line of the Poso Canal, the westerly side of which strip of land is more particularly described as follows, to wit:

Beginning at a point on the north line of Section 9, Township 12, Range 14, which point is 150.10 feet east of the northwest corner of said Section 9; thence northeasterly and northwesterly 2150.0 feet, more or less, to a point on the west line of Section 4, Township 12, Range 14, which point is 1575.0 feet, more or less, north of the southwest corner of said Section 4; thence northwesterly and northeasterly 5650.0 feet, more or less, to a point on the north line of Section 5, Township 12, Range 14, which point is 1100.0 feet more or less, west of the northeast corner of said Section 5; thence northwesterly 7200.0 feet, more or less, to a point on the north line of Section 31, Township 11, Range 14, which point is 150.0 feet, more or less, west of the northeast corner of said Section 31; thence northwesterly 5900.0 feet, more or less, to a point on the north line of Section 30, Township 11, Range 14, which point is 1700.0 feet, more or less, west of the northeast corner of said Section 30; thence northwesterly 6400.0 feet, more or less, to a point on the north line of Section 19, Township 11, Range 14, which point is 500.0 feet, more or less, east of the northwest corner of said Section 19; thence northeasterly and northwesterly 4400.0 feet, more or less, to a point on the west line of Section 18, Township 11, Range 14, which point is 2368.55 feet north of the southwest corner of said Section 18, and containing 80.05 acres, more or less.

Also a strip of land 100.0 feet in width lying equally 50.0 feet on either side of and parallel to the center line of the Poso Canal, the southwesterly side of which strip of land is more particularly described as follows, to wit:

Beginning at a point on the cast line of Section 13, Township 11, Range 13, which point is 2373.76 feet north of the southeast corner of said Section 13; thence westerly and northwesterly 3800.0 feet, more or less, to a point on the north line of said Section 13, which point is 2300.0 feet, more or less, west of the northeast corner of said Section 13; thence northerly and northwesterly 5830.0 feet, more or less, to a point on the north line of Section 12, Township 11, Range 13, which point is north 89° 25' east 1405.0 feet from the northwest corner of said Section 12; thence northerly and westerly 2752.20 feet to a point on the west line of Section 1, Township 11, Range 13, which point is due north 880.0 feet from the southwest corner of said Section 1; thence northerly and northwesterly 6919.10 feet to a point on the north line of Section 2,

Township 11, Range 13, which point is north 89° 25' east 1642.90 feet from the northwest corner of said Section 1; thence northwesterly and southwesterly 2005.5 feet, more or less, to a point on the west line of Section 35, Township 10, Range 13, which point is north 0° 10' west 390.0 feet, more or less, from the southwest corner of said Section 35; thence westerly, northerly, southwesterly, westerly, northeasterly and northwesterly 9950.90 feet, more or less, to a point on the north line of Section 34, Township 10, Range 13, which point is north 89° 22' east 223.7 feet from the northwest corner of said Section 34; thence northwesterly and northeasterly 2590.0 feet, more or less, to a point on the east line of Section 28, Township 10, Range 13, which point is north 0° 09' west 2185.47 feet from the southwest corner of said Section 28, and which point is on or near the center line of Santa Rita Slough, containing 77.70 acres, more or less.





2022 MONITORING DATA FOR THE SACK DAM-RED TOP AREA

Draft Report

prepared for
Central California Irrigation District
and San Luis Canal Company
Los Banos, California
and
Madera Triangle T Ranch
American Dairy
Cross Creek Ranch

by
Kenneth D. Schmidt and Associates
Groundwater Quality Consultants
Fresno, California
and
Summers Engineering, Inc.
Hanford, California

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2022 MONITORING DATA FOR THE SACK DAM-RED TOP AREA

INTRODUCTION

A monitoring plan was developed in November 2018 for the land subsidence abatement program for the Sack Dam-Red Top area. The first annual report for this program was for 2019, and this is the fourth annual report. Summers Engineering, Inc. of Hanford is the consultant to the Madera Triangle T Ranch, the American Dairy (formerly Cowifornia Dreamin' Ranch), and the Cross Creek Ranch, all of which are located east of the San Joaquin River. Kenneth D. Schmidt & Associates (KDSA) of Fresno are the consultants to the Central California Irrigation District (CCID) and San Luis Canal Company (SLCC), which are located west of the San Joaquin River (Figure 1). The 2022 report is a joint effort between Summers Engineering and KDSA. It is KDSA's responsibility to provide the monitoring information for the area west of the San Joaquin River, as well as monitoring associated with a pilot recharge well at Sack Dam.

WEST AREA

For the west area, the monitoring data are divided into 1) pumpage, 2) water=level measurements, 3) land subsidence, and 4) groundwater quality. The water recharged in the pilot recharge well near Sack Dam is discussed under land subsidence.

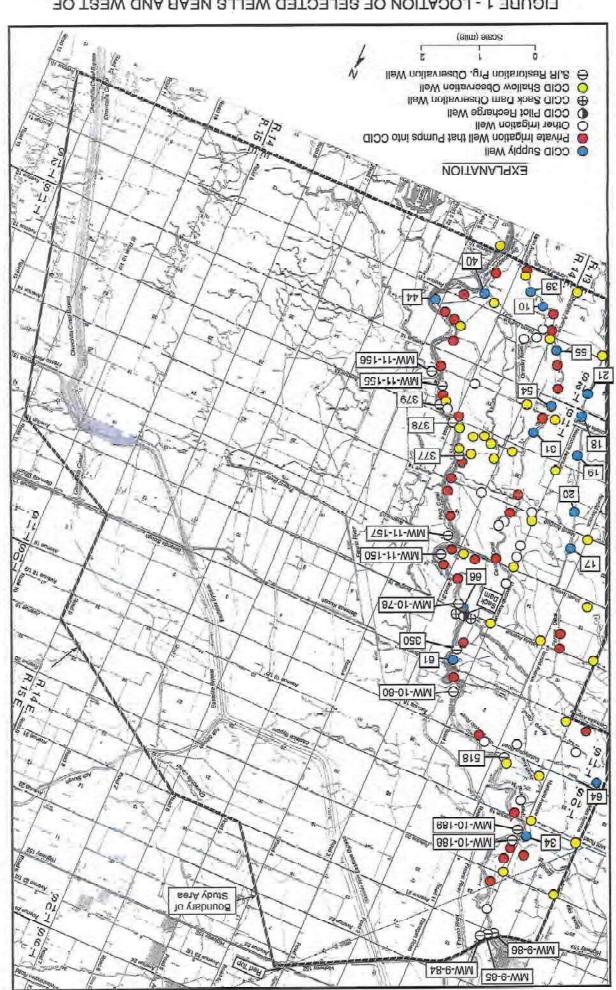


FIGURE 1 - LOCATION OF SELECTED WELLS NEAR AND WEST OF

Pumpage

KDSA (2023) prepared a report on the results of groundwater monitoring for the CCID 2022 pumpage program. This report included pumpage for District wells in the Sack Dam-Red Top area, which is in part of the District Poso Well Field. In addition, pumpage for private irrigation wells in SGMA Management Area E was provided. This Management Area includes the study area for this report, as well as a much larger area. For purposes of this evaluation, CCID provided the 2021 pumpage from the private wells in the study area (Figure 1).

Table 1 shows the monthly pumpage from the CCID wells in 2022. Most of the pumpage was during May-July. All of this pumpage was from the upper aquifer (above the Corcoran Clay). A total of 9,929 acre-feet of water was pumped from 16 CCID wells in the study area in 2022. The pumpage from private irrigation wells in the study area was 15,238 acre-feet in 2022. There was a total of 49,141 acre-feet pumped from CCID and private wells in Management Area E in 2022.

Water-Level Maps

Measuring point elevations have been determined for a number of wells at the Madera Triangle T Ranch, American Dairy, and Cross Creek Ranch. Figure 2 shows water-level elevations for the upper aquifer for February 2022. Water-level elevations

TABLE 1-2022 PUMPAGE FROM CCID WELLS

IS ABOVE CLAY

22-Dec 2022 TOTAL	510.5	688.9	923.3	567.4	678.1	310.2	597.5	523.0	401.2	926.0	925.0	679.1	429.6	726.0	179.3	863.9	9,928.8
22-Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	15.0
22-Nov	0.0	0.0	27.3	28.0	2.5	29.8	17.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	16.0	120.9
22-Oct	0.0	39.8	10.4	0.0	0.0	0.0	0.0	0.0	41.6	0.0	0.0	62.3	31.0	0.0	5.7	29.0	219.8
22-Sep	0.0	0.0	28.6	3.9	49.6	11.5	0.0	0.09	5.2	112.0	120.0	0.0	13.2	92.0	0.0	143.0	639.1
22-Aug	45.9	9.99	78.1	111.5	2.0	38.4	13.8	15.0	22.0	16.0	18.0	61.6	12.0	19.0	46.1	37.0	603.0
22-Jul	147.2	159.0	96.3	160.5	135.7	24.0	153.8	89.0	102.4	161.0	185.0	172.5	62.0	142.0	30.0	210.5	2,030.9
22-Jun	0.66	188.4	191.5	0.09	116.0	70.0	173.4	112.0	72.6	149.0	176.0	99.0	71.1	147.0	44.5	213.6	1,983.2
22-May	72.0	104.4	158.0	72.0	95.0	39.0	97.6	94.0	26.0	157.0	174.0	89.0	0.79	123.0	24.0	132.3	1,549.3
22-Apr	34.3	0.0	92.2	42.8	48.3	41.0	52.0	75.0	40.0	133.0	159.0	74.7	61.0	91.0	12.2	14.4	970.9
22-Mar	43.2	0.0	133.3	74.1	135.1	18.2	85.7	78.0	26.0	117.0	93.0	57.1	71.8	112.0	16.8	17.2	1.078.5
22-Feb	689	130.6	107.5	14.6	94.0	38.3	9.2	0.0	35.4	81.0	0.0	62.9	40.2	0.0	0.0	17.7	700.3
22-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.1	181
CCID Well #	10A	17A	180	20A	218	31B	33B	34A	39A	40A	44A	54A	55	61	64	99	TOTALS

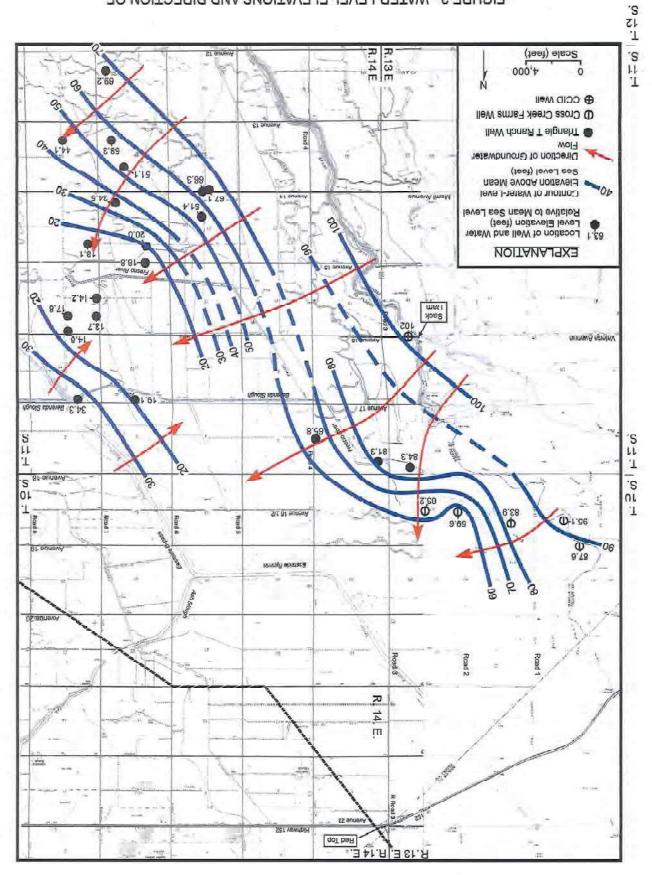


FIGURE 2 - WATER-LEVEL ELEVATIONS AND DIRECTION OF GROUNDWATER FLOW FOR THE UPPER AQUIFER (FEBRUARY 2022)

ranged from about 102 to 14 feet above mean sea level. Overall, there was a northeasterly direction of groundwater flow in most of the area, except near the bypass, where the direction of flow was to the southwest. There was a water-level depression west of the bypass, where water-level elevations were less than 20 feet above mean sea level.

Figure 3 shows water-level elevations and the direction of groundwater flow for the lower aquifer for February 2022. Water-level elevations ranged from 20 feet above mean sea level to the southwest to 31 feet below mean sea level near the Eastside Bypass and Avenue 20. Overall, the direction of groundwater flow was to the northeast. There is no pumpage from the lower aquifer in the study area west of the San Joaquin River.

Water-Level Trends

CCID Wells

Monthly water-level measurements are available for 15 CCID wells in the study area for 2020 (Table 2). Depth to water has been relatively shallow in this area (usually less than 30 feet deep). Depth to water is closely related to the pumping patterns of the wells and river flows. CCID Well No. 55 is considered representative of the Poso Well Field in terms of water-level trends. Figure 4 shows monthly pumpage and monthly water levels

		55
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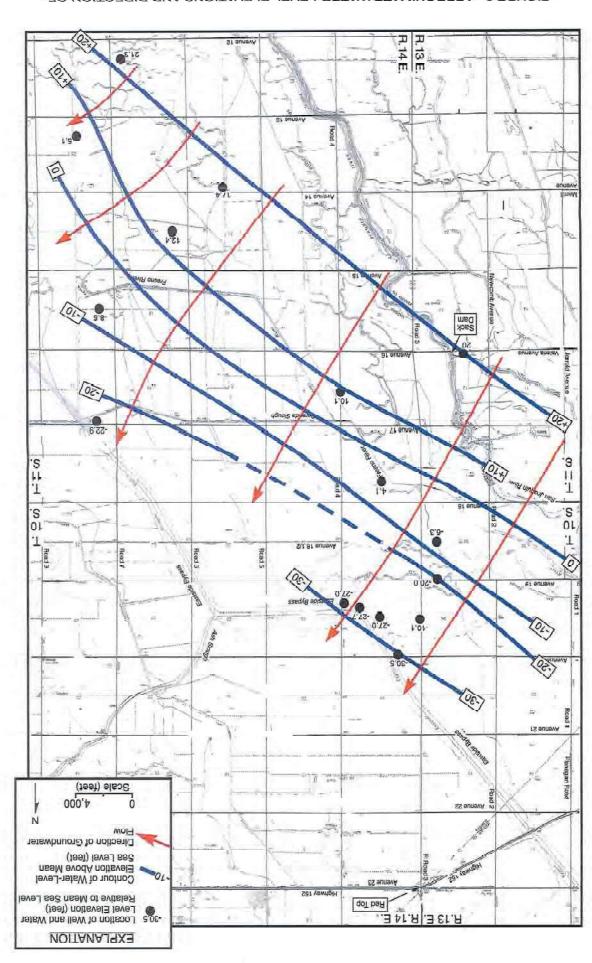
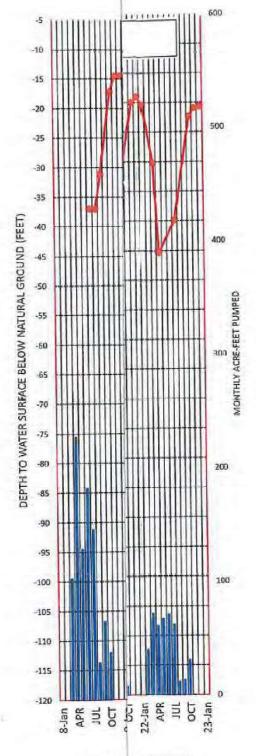


FIGURE 3 - APPROXIMATE WATER-LEVEL ELEVATIONS AND DIRECTION OF GROUNDWATER FLOW IN THE LOWER AQUIFER (FEBRUARY 2022)

TABLE 2-2022 CCID WELL WATER-LEVEL MEASUREMENTS

ı	- 1
Oi	22-Apr
31	-31.12
149	
29.	-29.44
28.	-28.14
36.	-36.73
30.	-30.17
-11	1



FIGIUIFER

		2		
				j
			¥	

for CCID Well No. 55 for 2008-2022. Depth to water in this well ranged from about 10 to 50 feet during this period. Pumpage during 2017-19 was small, less than 200 acre-feet per year. Water levels in Well No. 55 rose about nine feet during these three years of low pumpage. In 2020, depth to water ranged from about 16 to 27 feet. In 2021, depth to water ranged from about 19 to 37 feet. In 2022, depth to water ranged from 19 to 46 feet. There was not complete recovery after the 2021 and 2022 pumping.

Figure 5 shows long-term pumpage and water level hydrographs for CCID Well No. 55. Annual pumpage values and semi-annual water-level measurements are shown. Depth to water ranged from five to 37 feet. Water levels in this well have slightly declined over the long term. Prior to 2021, the deepest water levels were in 2012-16, when spring water levels fell about 26 feet. By early 2021, the water level had nearly recovered from this pumping.

Monitor Wells Near Sack Dam

Figure 6 shows depth to water for the four monitor wells near the Sack Dam for June 2014-February 2023. There are two nested monitor well sites, one near the west edge of the dam and the other near east edge. The two shallower wells are perforated

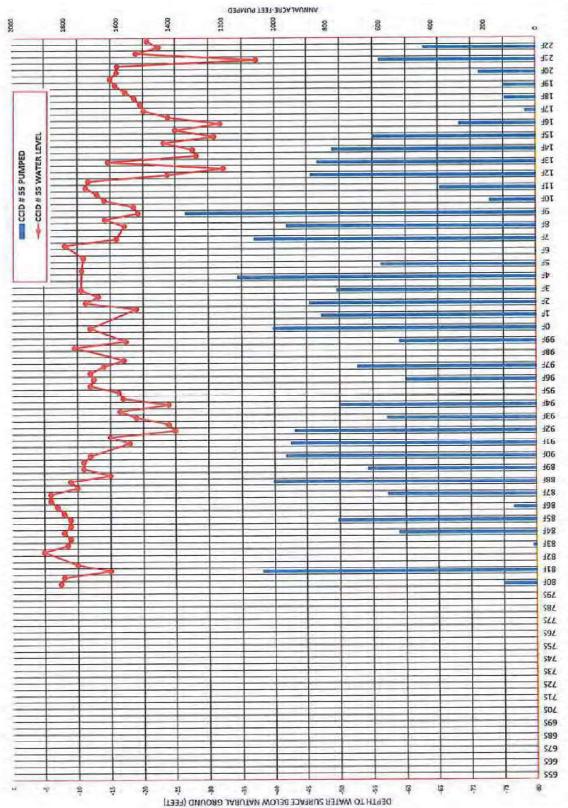
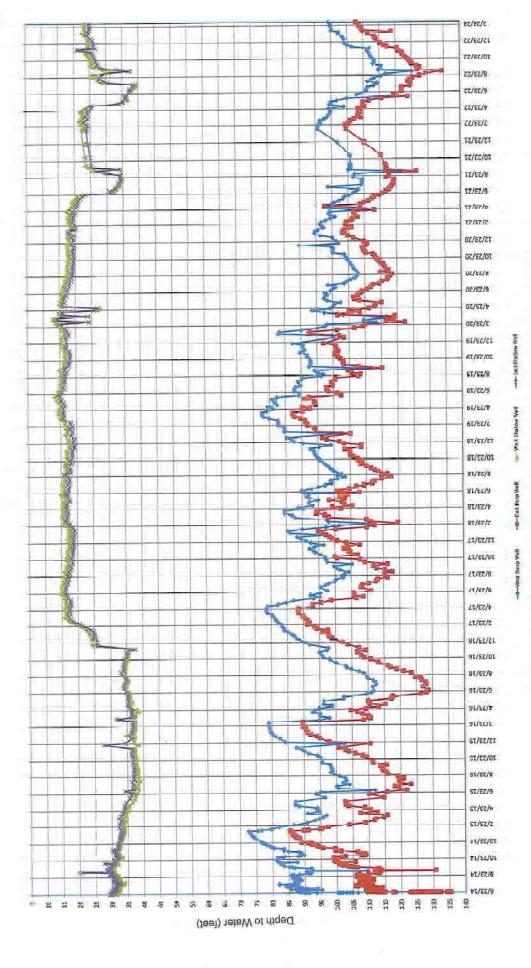


FIGURE 5-LONG-TERM WATER-LEVEL AND PUMPAGE HYDROGRAPHS FOR UPPER AQUIFER DISTRICT WELL NO. 55 IN THE POSO WELL FIELD





above the Corcoran Clay, and the two deeper wells are perforated below the Corcoran Clay. Depth to water in the shallow wells has been almost the same, with slightly shallower water levels in the westerly well. Depth to water in these two wells has ranged from about 15 to 38 feet. Water levels were almost 20 feet shallower after February 2017 than before October 2016. This was apparently due to a reduction in pumpage from a nearby CCID well, which taps the upper aquifer. Since February 2021, water levels in the two shallow wells were usually relatively stable, averaging between 20 and 25 feet deep. During June-July, 2021, the water levels temporarily fell to 35 feet. There were also some temporary declines in February and March, 2020, but the water levels quickly recovered. During May-June 2022, the water level fell to almost 40 feet deep. The water level had recovered to about 25 feet by late 2022.

The water-level trends for the two deep monitor wells have been similar, and the water levels in the east well had been about ten feet deeper than in the west well. This is because pumpage from the lower aquifer in the vicinity is east of Sack Dam. Seasonal shallowest levels in the west deep well have ranged from about 73 to 100 feet deep. Seasonal low water levels in the east deep well have ranged from about 115 feet to 135 feet deep. The deepest water levels were in the summer of 2016

and in Summer 2022. After 2016, pumpage from the lower aquifer in the area has been reduced, and the seasonal deepest water levels generally rose through 2019. The deepest water level fell after 2019. Water levels in the deep monitor wells show no apparent influence of the recharge well at Sack Dam, as it has been operating at about the same rate.

The water level in the west deep well was about 100 feet deep on February 23, 2023, compared to about 96 feet deep on February 23, 2022. The water level in the east deep well was about 108 feet deep on February 23, 2023, or about three feet deeper than on February 23, 2022.

Land Subsidence

Land subsidence records are provided in Appendix A. Land subsidence records were obtained for a station at Sack Dam, PT121 (375 USE). From December 2011 to December 2022 the total subsidence at this station was 3.20 feet, or an average of 0.29 foot per year. For December 2011-December 2015, the subsidence was 1.61 feet, or an average of 0.41 foot per year. From December 2016-December 2020, the subsidence was 0.72 foot, or an average of 0.17 foot per year. This decreased subsidence was due to a significant decrease in lower aquifer pumpage after 2015. From December 2018 to December 2019 the subsidence was only 0.14 foot, the lowest annual value since measurements began. From

December 2019 to December 2020 the subsidence was 0.22 foot. From December 2020 to December 2021 the subsidence was 0.24 foot. From December 2021 to December 2022 the subsidence was 0.29 foot.

Records are also available for Station 2562 along the San Joaquin River near Merril Avenue (about two miles south-south-east of Sack Dam). Between July 1, 2012 and December 22, 2022 there were 3.06 feet of subsidence, or an average of 0.31 foot per year. Between July 1, 2019 and December 2020 there was 0.29 foot of subsidence, or about 0.2 foot per year. Between December 2020 and December 2021, there was 0.29 foot of subsidence. Between December 2021 and December 2022 there was 0.33 foot of subsidence.

The recharge well near Sack Dam has been operating since June 2014, and water is recharged below the Corcoran Clay into the lower aquifer. Flowmeter records are available from November 30, 2016 to December 19, 2022. A total of 1,854 acre-feet was recharged, and the average recharge rate was 175 gpm. Between December 22, 2021 and December 19, 2022, a total of 370 acrefeet was recharged, and the average recharge rate was 230 gpm.

Groundwater Quality

Irrigation suitability analyses are available for 15 CCID wells in the study area for July 2022. Electrical conductivities ranged from 820 to 2,200 micromhos per centimeter at 25°C.

The lowest electrical conductivities were for Wells No. 34A, 40A, and 44A, close to the San Joaquin River and Oxalis Avenue. The highest electrical conductivities were for wells along the Parson Ditch or the Central Canal between Merril Avenue and Oxalia Avenue. Boron concentrations ranged from less than 0.1 to 1.2 mg/l. The lowest concentrations were generally for wells with lower TDS concentrations, and the highest boron concentrations were for wells with higher TDS concentrations.

EAST AREA

For the east area the monitoring data are discussed by entity and divided into 1) wells, 2) water-level measurements, 3) pumpage, 4) pump tests, 5) surface water diverted for irrigation, 6) stream and canal seepage, 7) recharge basins, 8) crop data, and 9) well sampling and chemical analyses. Subsidence abatement and monitoring enhancement are discussed last.

Madera Triangle T Ranch-John Hancock

Wells

A summary of the Madera Triangle T Ranch (MTTR) wells is provided in Table S1. A correction has been made regarding Well No. 65, which was previously listed as a lower aquifer well.

In 2018 a new well was drilled at the site and the old well was decommissioned. The new well is only 210 feet deep and it is

TABLE S1-MADERA TRIANGLE T RANCH (MTTR), AMERICAN DAIRY, AND CROSS CREEK FARMS WELL DATA

			Welling	Date	2021 Meas. Point	Depth	Depth	Diameter	Depth (ft)		Annular Seal (ft)	(#) [E		(acre-feet)	2022	Ly.	Water (feet)	Water (feet)		_	Groundwater Elevation
Owner	Well No.	Aquifer	DWR No.	Drilled	Elev. (ft)	(¥)	(E)	(F)	Top Bottom	Bottom	Top B	Bottom	Notes	2022	Test		Fall 2021	Spring 2022	Fall 2022	Spring 2022	Fall 2022
			440040	13/16	428.40	220	330	18	170	216	none	1		220	sak	yes	87	6	26	37.40	31.40
X P	- 2	Upper	52303	10/59	133.82	217	213	18	157	209	0	150	TV 7/14/2016	536	yes	sex	34	25	105	36.82	28.82
- E	60	Upper	52301		136.87	228	219	18	143	215	0	154		0							
TR.	4	Composite	25120		149.77	288	288	98	175	+	none	T	1	0							
N N	0 10	Unner	41001	1/58	131.72	216	196	18 & 16	158	-			TV 2/4/2011	260	yes	yes	8	16	99.0	40.72	32.72
E PE	, ,	Lower	E054498	10/01	134.08	820	795	92	290	77.5	0	8	TV 1/13/2011	77	X8X	yes	136	128	140	12.30	0.30
œ	6	Composite	E0257176	11/15	140.30	790	245	18 8 16	200	2007	0	200	C100/70/2 VT	236	ves	ves	126	129	137	17,53	9.53
TR	10	Opper	FOCUSTO	5/05	146.53	810	800	400	290	780	0	30	TV 2/4/2011	0			136	114	130	14.31	-1.69
OC I	1 5	Composite	E005032	5/05	144.15	477	467	12:	160	200	0	30	TV 11/8/2016	62		yes	132	128	144	15.15	0,15
z E	7 5	Composite	E006029	5/05	145.83	416	413	45	133	173	0	30	TV 2/4/2011	0		yes	145	133	140	12.83	5.63
TR	4	Upper		1	140.83		219	13	137	219			TV 1/3/2017	328	yes	× ×	120	121	137	22.85	12.85
TR.	15	Upper			143.85		350	200	200	1 7	1	1	TV 3/22/2011	2	72	yes	142	123	142	8.09	-10.91
TR	16	Lower	05447	2010	131.03	25.6	256	4	175	252	name		TV 11/19/2015	266	yes	yes	91	35	101	41.28	32.28
pr (17	Opper	/1167	ion.	140.55	273	211	, to	166	213			TV 3/22/2011	299	yes	yes	116	118	126	22.56	14.55
TE	9 6	Lower	E074835	80/8	128.91	875	860	18 & 16	290	840	0	250	TV 1/31/2011	8 9	yes	4	139	2 2	139	15.51	24.60
φ.	8	Upper			134.60		200	18	145	200		1	11/02/02/11 VI	400	8	Sign	900	101	108	34.86	27.86
TR	21	Upper		99/6	135.86	212	212	20 5	0/1	200	none	00	TV 12/20/2011	156	ves	Ves	114	115	122	24,43	17.43
ex.	22	Upper	743391	3/04	139.43	4 5	3 8	<u> </u>	300	800	00	300					152	145	155	4.39	-14,39
TH.	MW-22	-	240044		140.61	308	304	18	170	298	0	20	TV 11/30/2016, collapsed at 142"	127		yes	118	125	128	15.59	12.59
Ψ,	3 2	_	110011	10/2	142 18	220	228	9	130		18x12 shoe		TV 11/30/2011	380	yes	yes	122	124	133	18.18	9.18
TR	25	Upper		200	137.73		211	18	167				TV 12/27/2011	307	yes	Sex	110	115	118	16.01	14 84
20	26		085895	1279	140.81	300	300	9	130	588	none	1	TV 11/30/2011	367	Sel.	yes	146	138	138	3.30	332
2	27				141.32		799	20	168	290		00	10.11/28/2011	344	200	VBV	156	152	156	4.42	-8.42
TR.	28	1	E062776	10/07	147.58	715	710	φ ¢	170	224	0	26	TV 12/9/2011	28.4	3 %	1 18	103	119	113	17.03	23.03
E	53	Upper			139.45		185	9	150	185			TV 12/8/2011	171	yes	N.	111	118	121	21.45	18.45
K (K	9 19	200			141.23		197	80	158	197			TV 12/6/2011	188	388	yes	9	67	102	41.36	36.36
a ac	32	_	082646	100	138.36	236	236	16	9	232	none	000		766	8	And And	136	129	134	8.50	3.50
PE.	MW-32			7/19	137.50	900	900	ın ü	300	900	0	300	TV 12/8/2011	475	yes	yes	102	110	114	29.67	25.67
K	33	Upper	082634	-	141 12	+	167	80	132	1	18x10 short		TV 2/13/2013, obstruction at 97"	484	yes	yes	117	121	127	20.12	14.12
E 6	3 %	Loper	52300		143.08	_	168	es co	130		none	Ī	TV 12/2/2016	578	yes	yes	125	130	134	13.08	9.08
20	36	Unner		1	145,48	_	221	9.	130	221			TV 9/24/2012	1,322	Sa	88	200	200	8	53.76	47.75
2	37	Opper			137.76		219	4 5	174	219			100/DG1 VT	358	SE SE	g sax	2 23	126	132	14,75	8.75
TR	38	Upper			140.75	1	24.5	9	130	244		1	TV 9/24/2012	0			135	138	148	12.47	-1.53
Œ F	99	Upper			146.32		228	9 9	175	877			TV 9/27/2012			yes	128	130	138	16.32	8,32
X P	41	Voper			abandoned		212	16	153	212			TV 11/16/2012, shaft in well at 200'		sa :		68	eg.	63	48.84	43.81
2	42	Upper	65351				165	18	120	180			TV 5/9/2013, obstruction at 166	1	901	100	300	101	110	39.17	30.17
E E	43	Upper	118018				280	18	190	276	none	1	10 11/23/2012	1	New Year	Say	126	128	130	13.23	11.23
IR	3	Upper	11801		141.23	260	560	œ 4	200	900	ago		TV 2/25/2016	761	yes	yes	115	116	125	25.80	16.80
H.	45	Upper	082639	2/80	+	300	300	9	4	296	none		TV 9/28/2012	757	yes	yes	123	126	132	16.72	10.72
× e	40	Choper	301380			260	260	16	188	247	0	50	TV 10/1/2012	37	-	yes	424	134	130	11 64	5.64
TR.	48	Upper	-				233	91	190	233			TV 10/1/2012	1,021	Yes	Yes	129	130	137	16.28	9.28
R	49	Composite	-		146.28		327	9 9	198	32/			TV 10/5/2012	0	yes	yes	131	120	139	28.46	9,46
TR.	20	Composite			148.40		203	2 4	143	203			TV 10/4/2012	543	yes	yes	128	122	136	23.54	35.6
E E	ភេទ	Upper			146.61		1 23	16	93	172			TV 10/17/2012	1	yes	yes	131	123	137	10.77	14.27
x a	8	Upper			149.27		217	14	118	217			TV 10/8/2012	1	Sec	yes	2 &	28	8 8	54.60	48.60
MITE	25	Upper			138.60	5	000	\$ 4	216	22.02	c	30	IV 11/30/2016, obsurdedon at 236	30	8	yes	132	110	133	27.97	4.97
TA PA	22	Lower	E0144380	21/12		nce	000	2	300	2									4		

TABLE S1-MADERA TRIANGLE T RANCH (MTTR), AMERICAN DAIRY, AND CROSS CREEK FARMS WELL DATA

(Continued:)

			11.000.000		2021 Meas.	Total	Cased	Diameter	Perforation		Annular Seal (#)	(#) (#)		Pumpage (acre-feet)	2022 Pump	2022 Water Ouality	Depth to Water (feet)	Depth to Depth to Water (feet) Water (feet)	Depth to Water (feet)	Groundwater	Groundwater
Owner	Well No.	Aquifer	Well Log DWR No.	Drilled		(E)		(in)	Top	Eg	Top Bo	Bottom	Notes	2022	Test		Fall 2021	Spring 2022	Fall 2022	Spring 2022	Fall 2022
		-			06 377		907	at.	203	490		1	TV 10/17/2012	337	yes	yes	124	131	130	14.20	15.20
E	13 E	Composite			148 06		3 6	2 4	175	272			TV 10/17/2012	167	SAC ZED	SSA.	128	130	132	18.06	16.06
TTR	25/	Upper			40.00		230	0 0	138	220	-		TV 11/28/2012	444	yes	sak	68	90	93	51.44	48.44
ITTR	28	Upper			100.00		243	0 0	75	143	-		TV 4/18/2016	246	yes	yes	70	72	11	67.08	62.08
ITTR	23	Upper			23.00		2 8	200	105	200	-		TV 2/25/2016	404	Ves	Ves	72	75	78	56.28	63.28
ITTR	8	Opper	Contract	-	97.141	020	840	18.8.16	350	820	0	30	TV 5/3/2016	6		yes	132	123	134	17.38	6,38
E E	6	Lower	E02/083	/o/nL	25.50	8	200	2 4	891	236		-	TV 2/17/2016	112		Xes.	112	110	120	34.51	24.51
ITTR	29	Upper			10,44		286	2 4	192	3	-		TV 11/30/2016			sak	98	B	108	51,09	41.09
OUR.	3	obber.	COCOSTO	ANIMA	10.00	000	870	16	295	850	0	30		0	yes	yes	142	123	143	4.07	-15.93
ITTE	3	Lower	E0403470	-	10.13	860	860	18 8 16	300	840	-	022	TV 8/2/2016	0			136				
MILK	00	1	DOI SOLO	1	127 42	750	210	18	70	180		50		377	yes	yes		62	69	65.83	58,83
FIR.	65 Kep	-	2000	_		200	240	18.8.16	300	250		270		216	Ves Ves	yes	133	120	137	10.06	46.94
CTR.	99	Lower	E0126/39	-V	130,00	000	070	16	305	830	+	30		254	yes	yes	139	131	142	12.42	1.42
TE ST	19	Lower	E0133804		74.54	200	3 5	2 4	9	010		95		104	yes	yes	137	130	141	15.21	421
MTR	88	Composite	E01442/	1	17040	3	3 5	1	90	450	H	00		140	Yes	yes	146	138	150	10.18	-1.82
MTR	69	Composite	E0151483	1	140.10	200	200	2	200	000	-	20	TV 11/12/2015	0	Ves	ves	108	112	124	34,34	22.34
MTR	20	-	E0205850	1.	140.34	000	200	<u>u</u>	300	200		060			- Constant		164	168	165	-22.85	-19.85
MITE	MW-70		-	3 h	145.10	2000	000	21	300	240	+	50		325	yes	sak	125	130	138	17.76	9.78
MITTE	7	Upper	E0177738		147.78	007	240	2 4	3 5	270	, ,	1 9		908	yes	yes	121	131	135	14,87	10,87
MTTR	72	Upper	E01/881	- 1	145.07	707	240	46	450	076		20		0	Ves	sav	127	133	140	13.72	6.72
MITIR	73	Upper	E01/8811		140.12	707	0000	2	3	2	,	3		477	yes	yes	100	98	105	49.70	42.70
MITE	74	Composite	E0154699		147.70	3 6	350	46	250	240	c	9		470	Nes.		128	132	138	14.18	8.18
MTTR	75	-	E017881	6/13	140.18	750	750	2 4	300	760	0	290					152	156	166	-8.48	-18.48
MITE	WW-73	_	-		2000	9	29	18.8.16	200	660	0	40		0		yes	102	98	103	48.63	43.63
MTTR	76	Composite	E0286379		1	999	SEO.	18.8.16	200	099	0	40		477	yes	yes	112	110	117	38.03	31.03
MITE	11	Composite	20202020		1	RED	680	18.8.16	200	099	0	40			yes	yes	113	110	119	38.49	29.49
MTTR	8/8	Composite	E0200301	-	1	200	540	18.8.16	200	290	0	99		663	yes	yes	114	109	121	36.27	24.27
MITE	2	Composite	E0237 (13		440 40	200	200	18	130	250	0	50		517	yes	yes	104	40	111	44.10	37.10
ATT P	80	Opper	E020711	_	149,12	006	006	? vo	320	900	0	310					142	4	147	5,12	2.12
MITTE	81	-	119000		125,33	270	260	12	120	220	0	200		2 2	S .	yes	3 5	. *	7.4	200	78.29
MITE	82	Upper	001038		125.29	280	270	12	110	230	0	200		200	300	Ness Ness	420	103	134	19.09	8.09
OTTO:	83	Upper	001090	3/17	142.09	270	260	12	160	220	0	200		117	No.	no.	277	400	107	10 75	42.75
MITTE	28	Upper	E0257351	1 6/17	140.75	300	300	14	150	260	0	9	V 9/22/2017	2 3	Sa !	-	1	4 5	123	26.00	20.00
	85	Lloner	E0257352	2 6/17	143.00	270	270	12	160	230	0	20	1102/22/2 VI	5 1	3	Yes	200	60	200	26 20	53 20
ATTR.	98	Upper	E0257353	3 6/17	145.29	250	250	14	130	210	0	8	TV 9/22/2017	2 }	SE !	se s	6 6	ì	2 5	60 24	65.24 65.24
MITE	87	Upper	E0257354	4 8/17	145.24	280	280	12	180	240	0	20	1V 9/22/2017	12	83	Yes	45.4	100	130	24.27	18.27
1	MW-87	T		8/19	148.27	880	880	5	320	880	0	310					121	171	200	4	1
MTTR	88	1	003751		132.61	280	270	12	125	230	0	8	TV 9/22/2017	9	sek	Sak					
											-			10 CO							

Conposite 2.921

Continued:

Continued:

TABLE S1-MADERA TRIANGLE T RANCH (MTTR), AMERICAN DAIRY, AND CROSS CREEK FARMS WELL DATA (Continued:)

Mencan Dairy Well Data	West Det	75																I		I	
			Well Log	Date	2021 Meas. Point	Total	Cassed	Diameter	Perforation Depth (ft)		Annular Seal (ft)	ceal (ft)		Pumpage (acre-feet)	2022 Pump	2022 Water Quality	Depth to Water (feet)	Depth to Water (feet)	Depth to Water (feet)	Groundwater	Groundwater Elevation
Owner	Well No.	Aquifer	DWR No.	-	Bev. (3)	8	(M)	E	Top	Bottom	Top	Bottom	Notes	2022	Test	Analysis	Fall 2021	Spring 2022	Fall 2022	Spring 2022	Fall 2022
	4.77		E-0.4-00-07-0-0	CHIO	37.504	var.	Ten		046	240	•	29.6		c			148				
mencan Cary	5 8	LOwer	ELECOTATA	4.1.	126.62	830	200	188.15	280	810	00	180		456			2				
marican Dairy	200	Cower	E0085862		124.46	088		18	380	880	0	20		0							
manican Dain	WAN.	Lawer		100 A	125.74	720		18 & 16	285	680	0	245		284			134	132	130	-6.26	4.26
medican Daily	VeB	Lower	E0133871		124.96	820		18 & 16	296	800	0	260		11			144	145	143	-20.04	-18.04
menican Dainy	5	Lower	E0303195	1	128.30	026		16	440	920	0	20		253			160	156	160	-27.70	-31,70
merican Dany	8	Lower	E076323	100	127.98	680		18	440	880	0	8		99			156	155	152	-27.02	-26.02
metican Dairy	60	Lower	E073448		126.10	908		18	044	006	0	20		0							
medican Dain	V10B	Lower	E0133728		128.02	870		18 & 16	280	850	0	90		0			155	155	155	-26.98	-26.98
menican Dairy	243	Lower	ED0807098	2,00	127.51	880	880	32	320	880	0	90		0			155	158	42	-30.49	-26.49
merican Dalry	VIZ	Unikhown		1	100000000000000000000000000000000000000	1000	100	NO.	Sec. Sec.	0.000				7.14			06	87	8 :	-87.00	-83.00
merican Dairy	5	Upper	16379	08/70	124.91	220	167	9	167	220				305			144	200	143	-10.09	-18.09
unerican Dairy	412	Lower	E0322010	8/16	125.33	046	920	16	440	920	0	8		92			0,000	2000	2800	1.00CS1100WCD	0.000
	2	Upper	205916		128	260	240	20	09	210	0	20		485			70	62	09	66.00	68.00
medican Dairy	V16	Upper	006237		125	265	250	20	90	220	0	90		490					62		63.00
#	+	Opper			128.40									594					97		31.40
		2												Upper 1.742							

TABLE SI-MADERA TRIANGLE T RANCH (MTTR), AMERICAN DAIRY, AND CROSS CREEK FARMS WELL DATA

(Continued:)

Well No. Adulier Date DWR No. Cold Date Depth Depth Depth Depth (II) Depth (II) Annual Seal (II) Annual Seal (II) Notes CB Upper 71552 375 125.62 186 151 18 151 186 Notes CB Upper 715333 10/86 13.08 165 8 130 165 8 150 165 8 150 165 8 150 165 8 150 165 16	Cross Creak Well Data	Data					1															
Well No. Aquifer Aquifer William (ii) (ii) (iii) Top Battom Top Battom Notes Analysis Test Analysis Fall 2021 Spring 2022 Fall 2022 2022 Fa				Modified	75		Total	T	Nameter	Perfora		mular Se	3al (ft)		Pumpage (acre-feet)	2022 Pump	2022 Water Quality	Depth to Water (feet)	Depth to Water (feet)	Depth to Water (feet)	Groundwater Elevation	Groundwater
CS Upper 71552 375 125.62 186 157 40 38 34 87.62 CS Upper 15333 10/86 155 156 165 186 <th< th=""><th>Owner</th><th>Well No.</th><th>-</th><th>DWR No.</th><th>Drilled</th><th>Elev. (ft)</th><th>€</th><th>3</th><th>(in)</th><th></th><th></th><th></th><th>hottom</th><th>Notes</th><th>2022</th><th>Test</th><th>Analysis</th><th>1</th><th>Spring 2022</th><th>Fall 2022</th><th>Spring 2022</th><th>Fall 2022</th></th<>	Owner	Well No.	-	DWR No.	Drilled	Elev. (ft)	€	3	(in)				hottom	Notes	2022	Test	Analysis	1	Spring 2022	Fall 2022	Spring 2022	Fall 2022
CB Upper 71552 375 156 15											1000				100000							
CF Upper 175.00 165	Owner Owner Course	00	Ilanar	74559		C3 2C+	186	151	18	151	186	-			1,511		yes	40	38	8	87.52	91.62
Club Upper 574:101 125.09 224 16 149 226 94 95.09 32 30 32 95.09 C16 Upper 574:101 125.63 222 16 149 226 94 96.09 83.88 C16 Upper 574:101 125.63 500 16.8 14 226 494 9 9 9 34 9 83.88 C18 Upper 125.63 449 16 18 14 14 14 18 16 18 14	Cross creek rarms	38	Opper	453233		123 OB	185	18	2 00	130	165				258		yes	24	28	28	95.08	95.08
CIT Upper 574101 1266 22 16 149 226 494 149 226 494 149 226 494 149 226 494 148 224 49	Cross Creek Parms	3	Copper	20000		200		NGC.	45	140	866						Ves	32	30	32	95.09	93.09
C16 Upper Upper 574101 1295 128.83 232 232 232 234 66 40 59.83 C18 Upper C18 Upper 125.83 200 16 218 433 0 9 48 12 132	Cross Creek Farms	5	npper		1	50.03	1	675	2	2		-			044		-	20	VV	20	00 00	00 00
C18 Upper 125.63 500 16.8 t4 295 494 6 494 6 40 59.83 C19 Composite 123.39 449 16 218 433 1,165 1,165 1,165 1,21 132 132 132 132 1,165	Cross Creek Farms	915	Upper		12/95	123.88	232	232	16	149	977				4		B	-7	2	3	00.00	20,00
C10 Chipwosile T23.39 449 16 218 433 0 1.165 125 132 132 138 132 138	Carrie Combi	240	Inner			125.63	200	H	168 14	295	494				0		yes	34	99	40	59.53	85.63
C20 Upper E0228653 8/14 124.01 450 450 16 300 450	CIES CIGGY LAILES	200	- Constant			122 30		+	16	218	433				0	4		125	132	136	-8.61	-12.61
C21 Lower E0228858 8/14 124.01 450 450 16 300 450	Cross creek rarms	3 8	Linner			123 15	224	185	9	195	224				1,185		yes	48	09	55	63.75	67.15
	Cross Crook Farms	3.5	Lower	FO228553	8/14	124.01	450	450	16	300	450				283		yes	111	124	126	10.01	-1,99
J	2000										-											
								1	1	1		1			I							

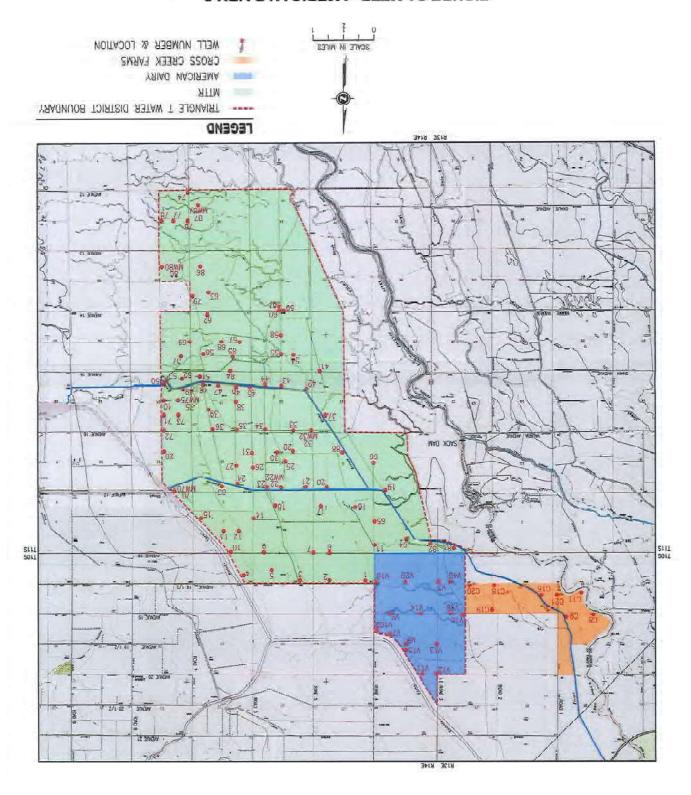
Upper 3,568 Lower 293 Imposite 0 perforated from 70 to 180 feet deep. As such, the pumpage numbers for Well No. 65 in 2019 through 2021 should have been reported as upper aquifer instead of lower aquifer pumpage. The revised Table S1 now includes rows for the old deep Well No. 65 and the new shallow Well No. 65 Replacement. It is anticipated that the old Well No. 65 will be abandoned. Based on the updated conditions, MTTR has 61 upper aquifer wells, 9 lower aquifer wells, 17 composite wells that tap both aquifers, and 6 lower aquifer monitor wells.

Water-Level Measurements

In mid-February and early March 2022, depth to water measurements were taken for 88 of the MTTR wells, including all six lower aquifer monitor wells. In early December 2022, depth to water measurements were taken for 88 of the MTTR wells, including all six of the lower aquifer monitor wells. These readings are included in Table S1, and all well measurements since 2015 are included in Appendix B. Measurements from the monitor wells and their companion shallow aquifer production wells indicate the hydraulic head difference between the two aquifers. February and March 2022 water levels ranged from 77 to 132 feet deep in the upper aquifer, and 127 to 168 feet deep in the lower aquifer. The resulting hydraulic head differences ranged from 24 to 56 feet. December 2022 water levels ranged from 81 to 138

feet deep in the upper aquifer, and 130 to 166 feet deep in the lower aquifer, with resulting hydraulic head differences ranging from 28 to 49 feet. There was very little change in these water level ranges compared to those for Fall 2021.

Figure S1 is a location map for all MTTR wells. Due to the limited amount of data available in some of the years prior to 2020, hydrographs for groups of wells located in the same general vicinity were plotted in Figures S2 through S4. The ranch was divided into six regions consisting of east and west zones north of Berenda Slough, between Berenda Slough and the Fresno River, and south of the Fresno River. The hydrographs in Figures S2 and S3, which are for upper aquifer wells, generally show a downward trend in the levels from 2012 through 2016, and an upward trend from 2017 through 2020 when groundwater pumping was reduced and more surface water supplies were imported to the ranch. There was a moderate decline in water levels from 2021 to 2022. This is to be expected since MTTR relied on shallow aquifer pumping for the majority of its irrigation supplies due to the drought conditions and limited availability of surface water supplies. Figure S4, which is for lower aquifer wells in both the east and west zones, shows seasonal fluctuations, but year to year levels have remained stable since 2012.



CROSS CREEK FARMS WELL LOCATIONS

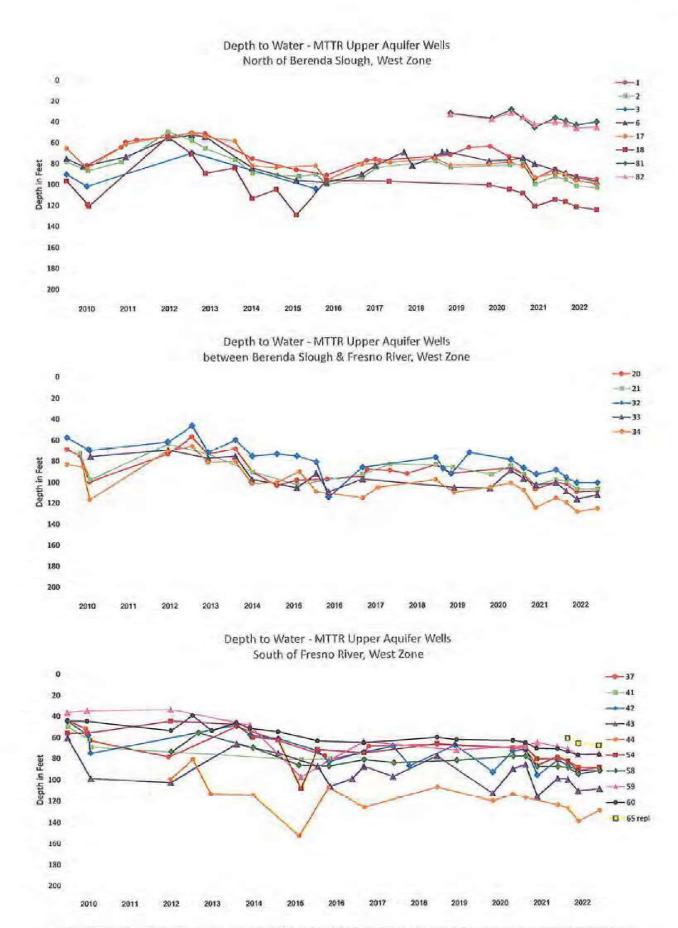


FIGURE S2-DEPTH TO WATER-MTTR UPPER AQUIFER WELLS-WEST ZONE

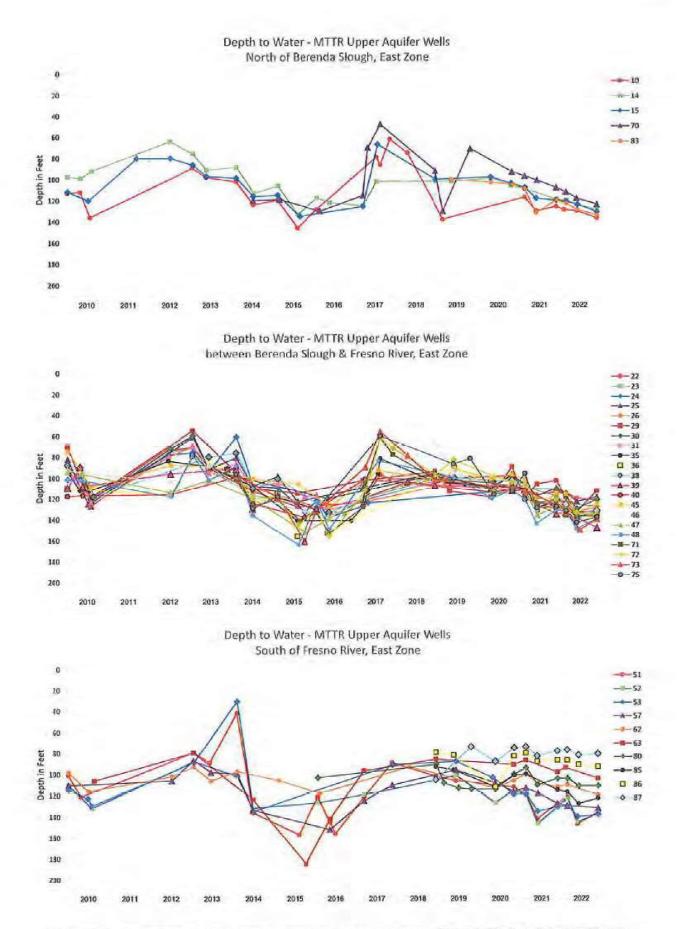


FIGURE S3-DEPTH TO WATER-MTTR UPPER AQUIFER WELLS-EAST ZONE

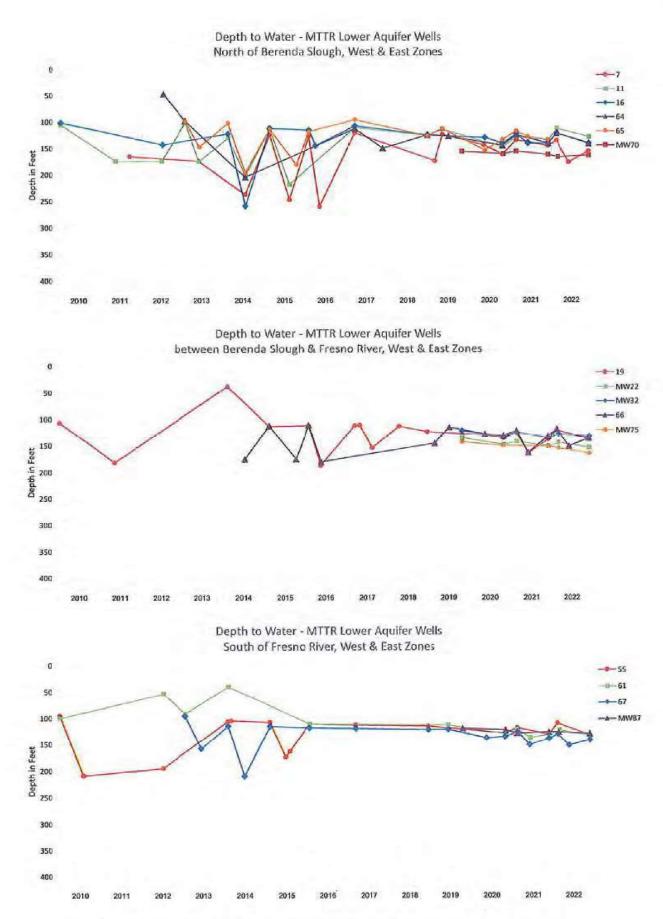


FIGURE S4-DEPTH TO WATER-MTTR LOWER AQUIFER WELLS

A GPS survey of all the well head measuring points was conducted in early 2021. This information together with the depth to water measurements provides for accurate plotting of water level elevation contours for February 2022 in Figures 2 and 3. The measuring point elevations are included in Table S1.

MTTR's six lower aquifer monitor wells were installed in 2019. Four of the six monitor wells (Nos. MW22, MW32, MW70 & MW80) have pressure transducer installations capable of constant water-level monitoring. Six upper aquifer production wells (Nos 22, 32, 70, 73, 80 & 87) also have pressure transducer installations capable of constant water-level monitoring, and four of these are companions to the nearby monitor wells noted above. The cloud base system that log these data and provides on-line access to authorized users became operational in 2021. Continuous monitoring of these wells was intermittent in 2022 for undetermined reasons. Also, the data from the system did not always match the manual well soundings collected during the year, indicating that the transducers may need to be recalibrated. system logs water-level measurements every 15 minutes, which generated a voluminous amount of data. Appendix D includes hydrographs of daily water level measurements which were culled from the data. For the four monitor well sites that have companion upper aquifer wells (Nos. MW22, MW32, MW70 & MW80) additional hydrographs were included which directly compare the upper and lower aquifer water levels throughout the year.

Pumpage

The MTTR wells are equipped with totalizing flow meters which are read monthly. The 2022 totals for each well are listed in Table S1, and totals from the years 2013 through 2022 are included in Appendix C. Total 2022 pumpage from MTTR upper aquifer wells was 23,505 acre-feet. Total pumpage from lower aquifer wells was 672 acre-feet, and total pumpage from composite wells with perforations in both aquifers was 2,921 acre-feet. Total pumpage from all wells was 27,098 acre-feet, which is slightly less than in 2021. Lower aquifer pumpage was about one-half as much as it was in 2021, but this was more than offset by an increase in composite well pumpage. Continued drought conditions and lack of available surface water supplies resulted in significantly higher overall pumpage compared to pumpage in 2017 through 2020.

Pump Tests

Pump tests, which include static and pumping water levels and the pumping rate, are done annually on most irrigation wells to evaluate pump efficiency and changes in specific capacity that could indicate plugging of perforations or other issues. Table S1 indicates the wells that were tested in 2022.

Surface Water Diverted for Irrigation

Surface water diverted from Poso and Columbia Canals, the Fresno River and Berenda Slough, and flood water diverted from the Eastside Bypass to irrigate fields is measured with totalizing flow meters at the diversion lift pumps. No flood water and limited surface water supplies were available to MTTR in 2022 due to the drought conditions. Table S2 lists the total volume of Columbia Canal diversions to MTTR during the months of April through July 2022.

Stream and Canal Seepage

Surface water flows in canals and rivers are measured by a consultant hydrologist and recorded along with staff gauge readings. The total volume of surface water that enters the ranch is greater than the sum of diversions from the canals and rivers plus the volume that flows out of the ranch. This difference is attributed to channel seepage within the ranch and subsequent groundwater recharge of the upper aquifer. Since no flood water was delivered in the Fresno River and Berenda Slough, the total volume attributed to seepage in 2022 was zero.

Table S2-Water Diversions

Source	2022 Diversions (ac-ft)
Poso Canal	0
Columbia Canal	1,444
Fresno River	0
Eastside Bypass	<u>0</u>
Total	1,444
American E	l Dairy - Dirk Vlot
Source	2022 Diversions (ac-ft)
Poso Canal	0
Fresno River	0
Eastside Bypass	<u>0</u>
Total	0
Cross Creek F	Farms - Case Vlot
Source	2022 Diversions (ac-ft
Poso Canal	0
Fresno River	<u>0</u>
Total	0

Recharge Basin Infiltration

Flood water can be diverted from the Eastside Bypass through the Fresno River to the 360-acre groundwater recharge basin in Sections 14 and 15 (T115/R14E) and the diversion volume can be measured at the 14A intake pumps. Flood water diverted through the Fresno River can also be delivered to the 160-acre groundwater recharge basin in Section 35 (T115/R14E). This basin recharge volume is included in the seepage volume and not measured separately. The total acreage of the two recharge basins comprises 4.6 percent of MTTR and nearly 4 percent of the aggregate area of MTTR, American Dairy, and Cross Creek Farms. This satisfies the Subsidence Abatement Agreement requirement for at least 3.5 percent of the ranches' aggregate acreage to be devoted to recharge basins. Since no flood water was available in 2022, there were no diversions to the above mentioned recharge basins.

Crop Data

The acreage, age, and type of trees grown in MTTR are compiled annually to determine if measured volumes of applied irrigation water compare favorably with expected irrigation volumes, based on standard consumptive water use information. As of 2022 there were approximately 6,500 acres of 9 to 11 year old almond

trees, and 4,800 acres of 9 to 11 year old pistachio trees being grown in MTTR. The total applied irrigation water in MTTR (pumpage and surface water diversions less basin recharge and channel seepage) was 28,542 acre-feet, or 2.53 acre-feet per acre. The average crop irrigation demand estimated by the ranch's agronomist (including effective precipitation) was 3.14 acre-feet per acre. MTTR indicated they intentionally deficit irrigated in 2022 to conserve groundwater and minimize deep aquifer pumping, and this resulted in lower crop yields.

Well Sampling and Chemical Analyses

Water samples are collected annually from most wells and sent to a laboratory for irrigation suitability analysis. These analyses include concentrations of the following constituents: pH, electrical conductivity, total dissolved solids, sodium adsorption ratio, adjusted sodium adsorption ratio, dissolved calcium, manganese, sodium, bicarbonate, carbonate, chloride, nitrate, boron, iron, and manganese. Table S1 indicates the wells that were sampled for water quality analyses in 2022. Analytes of primary concern are electrical conductivity (EC) and boron. ECs for MTTR wells ranged from 0.3 to 10.6 decisiemens per meter (ds/m) in 2022. MTTR's target for maximum EC levels is 1.5 ds/m. However, they sometimes must use blended well water with EC

levels up to 2.5 ds/m. MTTR manages EC levels by blending water from different wells, although sometimes even the blended water exceeds desirable EC levels. Boron levels ranged from 0.01 to 0.69 parts per million (ppm), and were less than the problem level (0.75 ppm). MTTR sometimes adds boron to its pistachio trees. Fertilizers and soil amendments are also used to compensate for other analytes that are outside desirable ranges. EC and boron data from 2019 through 2022 are included in Appendix E.

American Dairy-formerly Cowifornia Dreamin vs. California

Effective January 1, 2021, Cowifornia Dreamin' officially changed their business name to American Dairy.

Wells

An updated summary of the American Dairy (AD) wells is provided in Table S1. AD has three upper aquifer wells, 11 lower aquifer wells, and one well of indeterminate construction. Figure S1 indicates the locations of AD's wells. Upper aquifer Well No. V16 was constructed on the ranch during 2022. To minimize lower aquifer pumping, AD also used MTTR's Well No. 1 to irrigate AD lands in 2022.

Water-Level Measurements

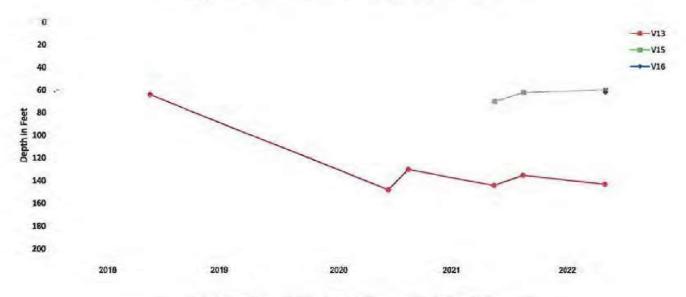
The water levels in nine AD wells were measured in February of 2022. In November of 2022, 11 of the AD wells were measured, including the new upper aquifer Well No. V16. These readings are included in Table S1, and all well readings since 2018 are included in Appendix B. Figure S5 includes hydrographs of these well readings. Water levels in the upper aquifer have slight seasonal fluctuations, but were otherwise stable over the past three years. Water levels in the lower aquifer have remained stable since the Spring of 2021.

A GPS survey of all the well head measuring points was conducted in early 2021. This information together with the depth to water measurements provides for accurate plotting of water level elevation contours in Figures 2 and 3. The measuring point elevations are included in Table S1.

Pumpage

Beginning in 2018 pumpage from AD wells has been estimated using power consumption records and well efficiency pump tests. Currently the Pow Wow system is being used with this method. The 2022 totals for each well are listed in Table S1, and totals from the years 2019 through 2022 are included in Appendix C. Total 2022 pumpage by AD from the three AD and one MTTR upper aquifer wells was 1,742 acre-feet. Total pumpage from the 11

Depth to Water - American Dairy Upper Aquifer Wells



Depth to Water - American Dairy Lower Aquifer Wells

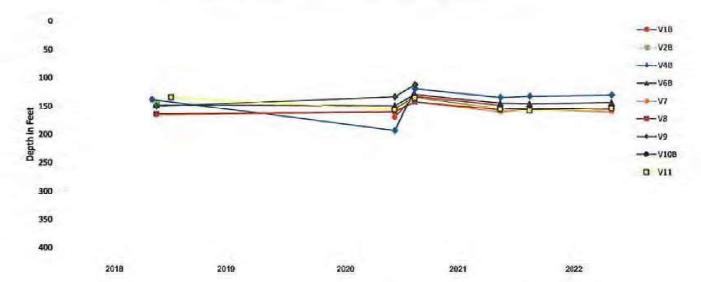


FIGURE S5-DEPTH TO WATER-AMERICAN DAIRY WELLS

lower aquifer wells was 1,436 acre-feet, and total pumpage from the one well of unknown construction was 714 acre-feet. Total pumpage from all wells used by AD was 3,892 acre-feet.

Pump Tests

Pump tests of all AD wells were last conducted in 2018 to determine pump efficiencies.

Surface Water Diverted for Irrigation

Surface water diverted from the Poso Canal to irrigate AD fields is measured with totalizing flow meters at the diversion lift pumps. Flood water from the Eastside Bypass has occasionally been diverted with a portable pump on the left embankment of the Bypass. As indicated in Table S2, the drought conditions and lack of available surface water supplies meant that no surface or flood water was delivered to AD in 2022.

Stream and Canal Seepage

AD does not have riparian rights to streams and rivers in the area and no canals cross the property. Thus, except for seepage from the Eastside Bypass, surface water flow monitoring for the calculation of channel seepage is unnecessary.

Crop Data

The acreage, age, and type of trees grown in AD, as well as the acreage and type of grain crops grown, are compiled annually to determine if measured volumes of applied irrigation water compare favorably with expected irrigation volumes, based on standard consumptive water use information. As of 2022 there were 1,072 acres of 6 year old pistachio trees and 159 acres of 2 year old pistachio trees being grown in AD. Sudan grass and triticale totaled 578 acres. The total applied irrigation in AD (pumpage only) was 3,893 acre-feet or 2.19 acre-feet per acre. Crop demands based on published evapotranspiration (excluding effective precipitation) rates for the crops grown in AD were 3.66 acre-feet per acre, indicating that AD deficit irrigated.

Well Sampling and Chemical Analyses

Water samples are collected occasionally for most wells and sent to a laboratory for partial irrigation water analysis. Analytes include electrical conductivity, total dissolved solids, total nitrogen, nitrate-nitrogen, and ammonia-nitrogen. No water quality testing was indicated for AD in 2022.

Cross Creek Farms-Case Vlot

Wells

A summary of Cross Creek Farms (CCF) wells is provided in Table S1. CCF has 6 upper aquifer wells, one lower aquifer well, and one composite well that taps both aquifers. Figure S1 indicates the locations of CCF's wells.

Water-Level Measurements

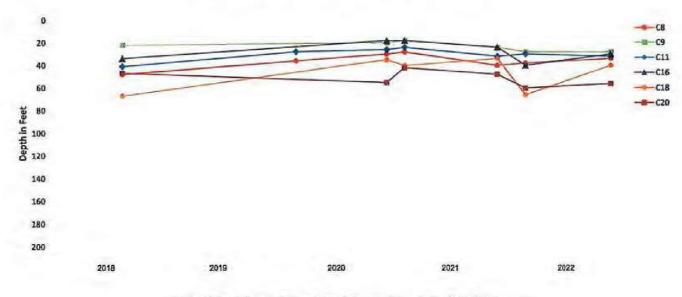
The water levels in all eight CCF wells were measured in March and December of 2022. These measurements are included in Table S1, and all well measurements since 2018 are included in Appendix B. Figure S6 includes hydrographs of these water-level measurements. Water levels in both aquifers showed a slight decline compared to 2021 measurements.

A GPS survey of all the well head measuring points was conducted in early 2021. This information together with the depth to water measurements provides for accurate plotting of water level elevation contours in Figures 2 and 3. The measuring point elevations are included in Table S1.

Pumpage

The CCF wells are equipped with totalizing flow meters which are read monthly. The 2022 totals for each well are listed in Table S1, and totals from the years 2017 through 2022 are included in Appendix C. Total 2022 pumpage from the 6 CCF upper

Depth to Water - Cross Creek Farms Upper Aquifer Wells



Depth to Water - Cross Creek Farms Lower Aquifer Wells

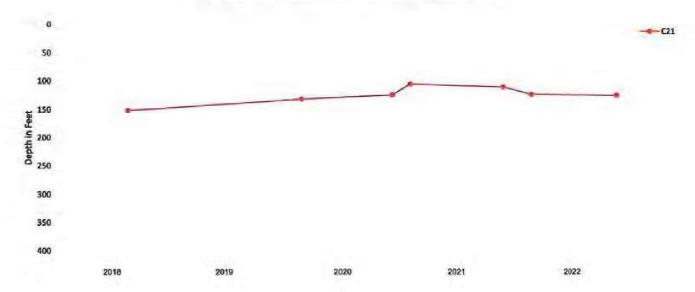


FIGURE S6-DEPTH TO WATER-CROSS CREEK FARMS WELLS

aquifer wells was 3,568 acre-feet. Total pumpage from the one lower aquifer well was 293 acre-feet, and there was no pumpage from the one composite well with perforations in both aquifers. Total pumpage from all wells was 3,861 acre-feet.

Pump Tests

Pump tests of CCF's wells were last conducted in 2018 and 2020 to determine pump efficiencies.

Surface Water Diverted for Irrigation

Surface water diverted from the Poso Canal to irrigate CCF fields is measured with totalizing flow meters at the diversion lift pumps. Flood water from the Fresno River has occasionally been diverted using Lift Pump 17 and other portable pumps temporarily placed on the right bank levee. As indicated in Table S2, the drought conditions and lack of available surface water supplies meant that no surface or flood water was delivered to CCF in 2022.

Stream and Canal Seepage

Fresno River flows are not measured at CCF. The river bisects the ranch and seepage from the channel provides some recharge to the upper aquifer when the river is flowing. To reduce flooding, the southern farm road was raised where it crosses the Fresno River channel near Lift Pump 17. The channel crossing was improved by installing larger diameter culverts, which are gated so flood water can be retained for enhanced channel seepage. No other canals or streams cross the ranch. Seepage from the San Joaquin River, which runs near the west ranch boundary, has not been determined.

Crop Data

The acreage, age, and type of trees grown in CCF, as well as the acreage and type of grain crops grown, are compiled annually to determine if measured volumes of applied irrigation water compare favorably with expected irrigation volumes, based on standard consumptive water use information. As of 2022 there were 531 acres of almond trees being grown in CCF which ranged from 2 to 17 years old. Corn and wheat totaled 504 acres. The total applied irrigation in CCF (pumpage only) was 3,861 acrefeet or 3.73 acre-feet per acre. Crop demands based on published evapotranspiration rates (excluding effective precipitation) for the crops grown in CCF were 4.32 acre-feet per acre, indicating that CCF deficit irrigated.

Well Sampling and Chemical Analyses

Water samples are collected occasionally for most wells and sent to a laboratory for partial irrigation water analysis. Analytes include electrical conductivity, total dissolved solids, total nitrogen, nitrate-nitrogen, and ammonia-nitrogen. Table S1 indicates the 7 CCF wells that were tested for water quality in 2022. EC levels ranged from 0.3 to 2.1 ds/m. The maximum desirable EC level for almonds is 0.75 ds/m. EC data from 2019, 2021, and 2022 are included in Appendix E.

Subsidence Abatement

Table S3 is a summary of the water use and pumping that occurred in MTTR, AD, and CCF in 2017 through 2022. The second block of the table shows the actual acre-feet per acre that was pumped from the lower aquifer versus the corresponding contractual threshold in each year. The agreement between the landowners and Exchange Contractors ran through 2021 and lower aquifer pumpage was limited to 0.5 acre-feet per acre in the final year. Due to the drought conditions and limited availability of surface water applies in 2021, the landowners and Exchange Contractors agreed that for 2022 deep well within pumping approximately three miles of the San Joaquin River would be limited to 0.5 acre-feet per acre. Deep wells beyond three miles would be

TABLE SE-SUBSIDENCE ABATEMENT AGREEMENT SUMMARY

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Total Water Usage (a-Pac)	100	230	3,45	238	2.43	2.53	3.28	4.85	3.61	506	3.50	3.73	17.4	4,49	3.28	4.31	2.06	2.19	2.86	-	+	4	-
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Cross Creek Farms (2016-22)	1,092	-		0.00	019	0.20	3.27	1,035			010	050	720	0.28			
MTTR	12,000	0.07	0.25	20	0.02	0.25	3,30	11,300	20.0	G.27	900	200	720	0.32			
Tota (2017-18)	14.690	0.12	0.48	4	¥		ı	13,911	0,73	050	1	1.	W.	F			
Tota (2019-22)	14.890	•	,	0.12	0.35	3.35	3.41	14,113		1	013	0.38	0.37	0.43			

allowed to pump up to 0.75 acre-feet per acre. Upper aquifer pumpage would be increased to compensate for the lack of surface water supplies. The corresponding total pumpage limits that were agreed to were 2,760 acre-feet within three miles of the river and 7,370 acre-feet beyond three miles. These terms will continue on an interim basis in preparation for a new agreement between Triangle T Water District and the Exchange Contractors. Actual lower aquifer pumping within three miles of the River was 0.26 acre-feet per acre. Lower aquifer pumping beyond three miles of the River was 0.47 acre-feet per acre. Therefore, actual lower aquifer pumping was below the agreed upon limits.

Monitoring Enhancements

Land Subsidence

As long as the currently active Reclamation leveling surveys and DWR InSAR program continue there is no need to implement an independent subsidence monitoring program. To assist the landowners and Exchange Contractors in determining future pumping limits, it has been proposed that the correlation of lower aquifer pumping and subsidence be analyzed each year. KDSA drafted a memo during the latter half of 2021 describing such an analysis and the need to increase the frequency of elevation surveys at Sack Dam. If this method is adopted, additional surveys will

need to be implemented by the landowners to supplement the existing data being collected by Reclamation and DWR.

Pumpage

Pumpage from MTTR wells continues to be measured by flow meters which are read monthly. Most pumpage from AD wells continues to be estimated using power consumption records and well efficiency pump tests, with power meter readings recorded monthly. The two most recently constructed AD wells (Nos. V15 & V16) have flow meters that are read monthly. Pumpage for CCF wells is measured by flow meters which have been in service since 2019, and the flow meter readings are recorded monthly.

Well Construction

No additional construction information has been acquired for MTTR Well No. 74, AD Well No. V12, or CCF Well No. C19. When these well pumps are removed for maintenance, the wells should be video inspected. AD constructed a new upper aquifer well in 2022, which is designated herein as Well No. V16. Data for the construction of Well No. V16 are included in Table S1.

Surface Water Flow and Diversions

The Rubicon flow measurement gates installed on the Fresno

River at Grover Junction, the turnout to the Dusthammer North Canal, and at the mouth of Berenda Slough enable MTTR to more easily measure channel seepage losses on the ranch (when flood water is available). Vegetation in the Fresno River downstream of the takeout from the Eastside Bypass and downstream of the measurement weir near the west boundary of MTTR may interfere with the stage/discharge relation at these sites. These channel reaches should be cleaned.

Recharge Basins

Seepage from the Fresno River could be enhanced and credited as recharge to the upper aquifer by efficient operation of the system and measuring the difference between inflows and outflows. Seepage from the Fresno River within CCF could also be credited as recharge to the upper aquifer by measuring the difference between inflows and the sum of outflows and diversions.

Well Sampling and Chemical Analysis

No water quality testing was indicated for AD in 2022. Seven of the CCF wells were tested in 2022. However, the tests did not include all of the analytes recommended in previous annual reports, which are listed as follows: pH, electrical conductivity, total dissolved solids, adjusted sodium adsorption ratio,

calcium, magnesium, sodium, alkalinity, bicarbonate, carbonate, chloride, nitrate, boron, and manganese.

APPENDIX A

LAND SUBSIDENCE RECORDS

SJRRP Subsidence Monitoring PT 121: 375 USE

Date	Elevation	Compaction
12/1/2022	126.554	3.203
7/1/2022	126.721	3.036
12/1/2021	126.844	2.913
7/21/2021	126.932	2.825
12/1/2020	127.086	2.671
12/1/2019	127.297	2.46
7/1/2019	127.371	2.386
12/1/2018	127.442	2.315
7/1/2018	127.519	2.238
12/1/2017	127.64	2.117
7/1/2017	127,686	2.071
12/12/2016	127.799	1.958
7/16/2016	128.024	1.733
12/1/2015	128.137	1.62
7/1/2015	128.314	1.443
12/1/2014	128.64	1.117
7/1/2014	128.703	1.054
12/1/2013	128.93	0.827
7/1/2013	129.085	0.672
12/1/2012	129.405	0.352
7/1/2012	129.516	0.241
12/1/2011	129.757	0

Apr Mot Velocity wells

Sept

STATION 2562 HETFIELD SIRRP

Date	Elevation	Compaction
12/22/2022	130.598	-130.598
7/1/2022	130.802	-130.802
12/1/2021	130.928	-130.928
7/21/2021	130.993	-130.993
12/1/2020	131.216	-131.216
7/1/2019	131.495	-131.495
12/1/2018	131.612	-131.612
7/1/2018	131.707	-131.707
12/1/2017	131.82	-131.82
7/1/2017	131.863	-131.863
12/12/2016	132.021	-132.021
7/16/2016	132.256	-132.256
12/1/2015	132.357	-132.357
7/1/2015	132.525	-132.525
12/1/2014	133.026	-133.026
7/1/2014	133.11	-133.11
12/1/2013	133.29	-133.29
7/1/2013	133,431	-133.431
12/1/2012	133.586	-133.586
7/1/2012	133.657	0

APPENDIX B

DEPTH TO WATER MEASURMENTS FOR MTTR, AMERICAN DAIRY, & CROSS CREEK FARMS

115 107 105 115 25 107 115 2010 8 8 147 May 18 108 98 102 102 115.5 112 52 52 Depth to Water (feet) 100 112 8 8 January 93.9 93.9 110.5 93 106.3 116.5 70.5 78.4 90.6 111.4 75.5 105.8 108.4 109.8 101.8 107.6 107.6 107.6 107.6 107.6 83.5 83.8 44 87.9 117.7 50 50 60.4 88.4 57.8 Upper Upper Upper Composite Composite Lower
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MTTR Well Readings Depth to Water (feet)

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DC.	54	Upper										45
Z L Z	55	Lower										195
œ	99	Composite								96		
MTTR	51	Upper									106	
MITIR	58	Upper										74
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R	99	Upper										54
œ	61	Lower										54
R	62	Upper										102
MTTR	63	Upper										
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œ	55	Lower										
œ	85 Repl	Upper										
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DC.	67	Lower										
œ	68	Composite										
2	360	Composite										
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œ	MW-70	Lower										
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œ	73	Upper										
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Y	WW-73	Lower										
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α	693	Upper										
œ	84	Upper										
Œ	85	Upper										
œ	99	Upper										
œ	18	Upper										
MTTR	MW-87	Lower										
MTTR	88	Upper										
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MTTR Well Readings Depth to Water (feet)

io io 901 98 158 175 175 88 8 2013 148 May 24 22 99 January 23 79.6 86.9 91.6 99.2 99.2 5.5 95.9 Composite
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Upper Upper
Lower
Lower Aquifer Well No MTTR Well Readings Owner MATTER A STATE OF STA

MTTR Well Readings Depth to Water (feet)

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MTTR Well Readings Depth to Water (feet)

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Upper Aquifer Well No. Owner MATTER A STATE OF STA

86 to 4 86 to 4 86 to 4 ₩ 600 264 March Depth to Water (feet) January 26 117.4 113.2 130.4 123.2 91.2 105.2 126.1 116.5 83 128.4 84.8 81.8 92.6 73.4 Upper
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器 156 181 10 142 8 8 141 2015 Ce (5) 45 126 123 123 12 88 29 38 130 27 130 Depth to Water (feet) 1130 2 January 26 121.6 71.9 111.3 119.6 111.8 117.6 124.2 133.5 131.1 130.9 130.2 95.3 91.6 92.8 103.1 Composite
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Decembe 8 4 5 8 11.0 Depth to Water (feet) 120.9 120.4 1129.3 134.8 125.6 109 109 118.8 127.3 109.5 118.4 122.2 116.2 127.7 91.3 122 125.5 112.8 93.4 124.1 74.6 88.5 126.7 94.44 Upper Composite
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Depth to Water (feet) MTTR Well Readings

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oc.	on (I)	Upper	64.7													
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œ	63	Upper	98.6													
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Œ.	65 Repl	Upper													-	
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œ	68	Composite	120.5		121				136							
MITR	89	Camposite	129.7													
ď	7.0	Upper	115.3		70				4 60							
œ	MW-70	Lower														
MITTR	71	Upper	128.2	106					62							7.8
ď	22	Upper		112					62							7.2
œ	72	Upper		60					56							
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MITE	78	Composite	107.6													
MILE	79	Composite	108.8													
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MTTR	90	Upper														
MTTR	82	Upper														
œ	83	Upper														
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Œ	86	Upper														
MTTR	90	Upper														
MITH	26	Coper														
MTTR	MW-87	Lower														
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			March		April		June	December
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MITTE	27	Composite						
MTTR	28	Composite						134.5
MTTR	29	Upper						94.1
MITTR	30	Upper						7.96
MITTR	ě	Upper						103
MTTR	35	Upper				H		77.7
or.	MW-32	Lower			-70			
MTTR	33	Upper						
MTTR	34	Upper						98.7
MITTR	88	Upper						104
MITE	36	Upper						
MITE	37	Upper						97.6
MTTR	38	Upper						
MTTR	38	Upper				104		107.1
or	04	Upper						
MITE	4	Upper						
MTTR	542	Upper			80			
MTTR	43	Upper						78.6
MITTR	44	Upper						108
MITE	45	Upper						
MTTR	46	Upper						65.6
MTTR	47	Upper						1001.3
MITTR	48	Hermon						

MTTR Well Readings Depth to Water (feet)

			March		Acmi	2018	June	December
Constitution	Wildling No.	100	ō.	0.0	U.F	47	dia.	200
CANIDE	AWEST INC.	Major Br		31	0	1	· i	2
MATTER	C	Commonto						
	200	20000						
Y	5	Upper						102.1
MITE	52	Upper			10			105.1
MITE	9	Upper						
MITR	in the	Upper						67
TR	un Vo	Lower						115.8
ATTA	60	Corrobaite						
T.R.	22	Upper						
ALL ALL	00	Copper						
E L	(d)	Upper						
MTTR	9	Upper						609
MTTR	61	Lower						
MTTR	62	Upper				ල		
MTTR	600	Upper						98
MITTR	84	Lower						1253
MTTR	40	Lower						127.4
MITE	65 Repl	Upper						
MITTR	86	Lower						
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altim	20	Innar						9 40
2 0	AMM-70	in the second						9
MTTP	34	Inde						404
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MITTE	14	- Jacob						
MTTR	MW/75	Lower						
45	76	Composite						94.8
MITTR	K	Composite						
TR	78	Camposite						101.8
MITTE	7.9	Composite						104.8
T.	80	Upper				700		90.6
MITTR	MW-BO	Lawer						
TR	91	Upper						
MITTE	822	Upper						
MITE	83	Upper						
MTTR	8.0	Upper						
MITTR	400	Upper						929
MITTR	86	Upper						79.5
MTTR	100	Coper						105.1
MITTR	MW-87	Lower						
TR.	88	Upper						
						_		

8 8 -05 80 40 Se # Depth to Water (feet) April 15 March Upper Composite
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15,7 114 29 74 110 117 102 113 97 128 122 94 2 101 11 83 8 8 87 83 2019 28 8 8 8 8 8 May 14 114 Depth to Water (feet) April Wardh 146 130 108 Composite
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Upper Well No. MTTR Well Readings Owner MATTER A STATE OF STA

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MTTR Well Readings

Depth to Water (feet)

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125 128 129 129

MTTR Well Readings Depth to Water (feet)

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Upper Well No. MTTR Well Readings Owner MANUAL DE SECONDO DE S

155 156 156 156 155 158 135 16 62 November 186 160 156 156 155 155 144 148 70 40 2021 February 113 134 135 136 130 130 132 2020 December 193 155 148 148 148 170 00 December 134 20 November Depth to Water (feet) 2018 168 168 150 145 78 October 138 9 Aquifer Unknown Lower -DWG Lower Lower Lower Lower Upper Lower Upper Lower Lower Lower DWer Upper American Dairy Well Readings Well No. V13 V15 V15 V16 American Dairy Owner

130 160 154 154 143 143 97

62 60

December

2022

9

Cross Creek Farms Well Readings Depth to Water (feet)

			2018	N	2020	20	2021	2	2022
			Ruguest	February	December	February	December	March	December
Owner	Well No.	Aquifer	6	18	un.		#		+
Cross Creek Farms	80	Upper	48	36	30	28	40	38	34
Cross Creek Farms	හි	Upper	22		20	œ +	24	28	28
Cross Creek Farms	5	Upper	41	28	26	45	32	30	32
Cross Creek Farms	C16	Upper	34		85	100	24	40	30
Cross Creek Farms	C18	Upper	67		35	04	34	99	40
Cross Creek Farms	C19	Composite	112		83	89	125	132	136
Cross Creek Farms	C20	Upper	47		56	4	80	60	56
Cross Creek Farms	C21	Lower	152	132	125	90,	111	124	126

APPENDIX C

PUMPAGE FOR MTTR, AMERICAN DAIRY, & CROSS CREEK FARMS

							Pumpage	(acre-feet)				
Owner	Well No.	Aquifer	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
MTTR	1	Upper	152	284	817	480	334	298	382	206	230	220
WITE	2	Upper	163	1,457	604	232	150	433	343	0	299	539
MTTR	3	Upper	0	0	0	0	0	0	0	0	0	0
MTTR	4	Composite	0	0	0	0	0	0	0	0	0	0
MTTR	5	Composite	0	0	0	0	0	0	0	0	0	0
MTTR	6	Upper	28	445	686	1,524	0	0	458	196	254	560
MTTR	7	Lower	308	465	505	468	7	84	15	14	74	122
MTTR	9	Composite	0	0	0	0	0	127	75	2	113	0
MTTR	10	Upper	341	578	675	526	388	368	143	462	594	236
MTTR	11	Lower	535	390	414	398	12	79	11	0	0	0
MTTR	12	Composite	174	277	180	290	0	0	0	0	13	62
MITR	13	Composite	329	235	287	304	8	53	0	0	40	0
MTTR	14	Upper	306	407	546	360	433	330	261	287	410	328
MITR	15	Upper	604	508	523	281	245	306	298	456	643	400
MTTR	16	Lower	273	295	160	420	2	0	0	0	82	2 266
MTTR	17	Upper	27	430 729	13	244	328	328 616	1,100	331 576	603 855	565
MTTR	18	Upper	389		732	625	666 716	109	286	0	82	69
MITR MITR	19	Lower Upper	85 286	273 1,102	353 702	574 616	622	606	399	507	600	466
MTTR	21	Upper	318	590	702 592	368	1,098	622	555	276	304	530
MTTR	22	Upper	450	446	161	322	1,037	183	175	296	226	156
MTTR	MW-22	Lower	400	440	101	-	2,400	tua	11.0	-	200	.00
MITR	23	Upper	215	419	342	235	580	62	237	0	164	127
MTTR	24	Upper	251	390	376	408	834	484	544	371	441	380
MTTR	25	Upper	283	499	521	491	259	382	84	390	297	307
MTTR	26	Upper	257	461	498	474	325	521	347	353	94	367
MTTR	27	Composite	11	216	179	395	1	43	0	0	3	0
MTTR	28	Composite	228	641	145	688	2	972	0	0	178	344
MTTR	29	Upper	217	258	452	193	0	616	195	220	427	281
MTTR	30	Upper	223	10	187	220	125	248	140	137	26	171
MITR	31	Upper	298	533	548	521	326	491	261	392	215	188
MTTR	32	Upper	237	449	574	486	226	276	176	482	385	492
MTTR	MW-32	Lower									W-000	-
MTTR	33	Upper	262	411	193	237	9	560	403	239	386	475
MTTR	34	Upper	195	482	608	577	170	433	339	372	564	494
MTTR	35	Upper	764	367	564	387	134	150	388	353	579	578
MITR	36	Upper	0	940	1,115	1,065	875	1,030	986	775	1,150	1,322
MTTR	37	Upper	32	34	416	394	408	329	358	427	443	301 358
MTTR	38	Upper	313	367 630	495 692	286 406	139 689	289 765	244 634	242 270	387 18	0
MTTR	39 40	Upper	0	614	729	0	7	207	336	382	559	229
MTTR		Upper	0	0	68	228	107	134	236	329	328	386
MTTR MTTR	41	Upper Upper	0	0	243	818	244	439	532	621	324	520
MTTR	43	Upper	0	4	0	0	0	636	505	264	1,265	1,220
MTTR	44	Upper	323	783	709	731	373	611	558	455	439	819
MTTR	45	44	315	786	957	454	188	555	377	494	642	761
MTTR	46	Upper	1,032	660	836	589	265	519	358	447	647	757
MITR	47	Upper	239	314	289	434	9	78	108	15	110	37
MTTR	48	Upper	247	638	889	632	295	746	698	759	1,087	1,02
MTTR	49	Composite	780	0	16	3	0	0	0	C	73	26
MITTR	50	Composite	0	0	0	0	0	0	0	0	34	0
MTTR	51	Upper	158	531	633	411	235	446	369	251	471	543
MITR	52	Upper	0	737	592	287	62	555	592	530	788	537
MTTR	53	Upper	0	402	471	331	201	325	334	342	440	473
MITR	54	Upper	0	0	158	117	102	188	132	495	447	532
MITTR	55	Lower	1	438	0	0	0	41	0	0	0	0
MITTR	56	Composite	112	301	144	188	0	26	0	0	134	337
MTTR	57	Upper	94	658	243	525	10	75	0	518	1,267	167
MTTR	58	Upper	100	672	839	667	272	492	608	0	439	444
MITR	59	Upper	0	2	3	0	64	361	188	230	268	246
MITR	60	Upper	0	4	9	0	0	0	158	232	393	404
MITTR	61	Lower	0	0	0	0	0	0	0	33	110	9
MTTR	62	Upper	0	0	0	0	13	0	0	504	42	112
MTTR	63	Upper	0	326	91	229	0	0	0	1	2	1
MTTR	64	Lower	38	113	22	193	1 400	54	0	54	17	0
MTTR	65 et Cont	Lower	255	293	373	53	108	0	0	0	759	
MTTR	65 Repl	Upper	400	415	50	nor		40	1	89	758	377
MTTR	66	Lower	175	145	59	265	3	42 151	0	0	25 137	216 254
MTTR	67	Lower Composite	233 247	652 386	333 263	647 517	7	142	0	0	186	401

MTTR Wells

							Pumpage	(acre-feet)				
Owner	Well No.	Aquifer	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
MITTR	69	Composite	340	567	259	659	6	122	0	0	124	140
MTTR	70	Upper	80	326	54	14	0	0	0	2	7	0
MITR	MW-70	Lower										
MTTR	71	Upper	0	31	75	341	0	298	159	288	356	325
MITR	72	Upper	0	239	376	295	35	0	3	251	453	508
MITR	73	Upper	0	0	4	0	0	0	0	0	0	0
MITR	74	Composite	0	0	0	759	0	106	104	1	292	471
MITR	75	Upper	0	0	396	403	31	327	211	343	478	470
MTTR	MW-75	Lower										-
MTTR	76	Composite				860	14	230	9	0	313	0
MTTR	77	Composite				765	15	189	0	0	85	477
MTTR	78	Composite		Or of		292	0	0	1	0	36	1
MTTR	79	Composite				0	0	278	9	0	192	663
MTTR	80	Upper			1 3	0	31	530	417	289	469	517
WTTR	MW-80	Lower			15	9 5 1			- 2.44	-		
MITR	81	Upper			170	5			337	270	271	232
MTTR	82	Upper							425	636	637	358
VITTR	83	Upper							0	190	158	217
MTTR	84	Upper							346	314	50	105
MTTR	85	Upper							4	0	37	104
ATTR	86	Upper			A To				166	154	29	78
UTTR	87	Upper							481	744	57	131
ATTR	MW-87	Lower							101			14,
MTTR	88	Upper							0	487	777	766
			9,198	20,955	22,094	19,466	12,946	18,251	18,518	19,540	25,091	23,505
			1,901 2,220	3,063 2,723	2,218 1,473	3,019 5,719	849 53	561 2.288	313 199	101	527	672
			13,319	26,741	25,784	28,204	13,848	21,099	19,029	19,645	1,814 27,432	2,921

American Dairy Wells

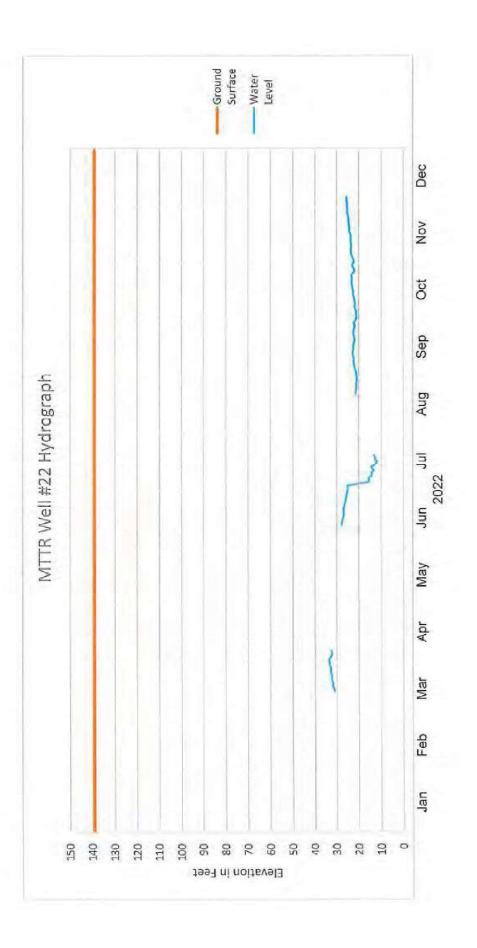
				Pumpage	(acre-feet)	
Owner	Well No.	Aquifer	2019	2020	2021	2022
American Dairy	V1B	Lower	50	526	303	0
American Dairy	V2B	Lower	77	733	530	456
American Dairy	V3	Lower	0	0	0	0
American Dairy	V4B	Lower	23	322	43	284
American Dairy	V6B	Lower	80	868	296	11
American Dairy	V7	Lower	151	736	258	553
American Dairy	V8	Lower	9	185	32	56
American Dairy	V9	Lower	0	0	0	0
American Dairy	V10B	Lower	0	136	151	0
American Dairy	V11	Lower	0	220	0	0
American Dairy	V12	Unknown	358	64	200	714
American Dairy	V13	Upper	423	636	400	302
American Dairy	V14	Lower	401	1,165	137	76
American Dairy	V15	Upper			128	485
American Dairy	V16	Upper				490
MTTR	1	Upper			1,112	465
			423	636	1,641	1,742
			792	4,891	1,750	1,436
			358	64	200	714
			1,573	5,590	3,590	3,892

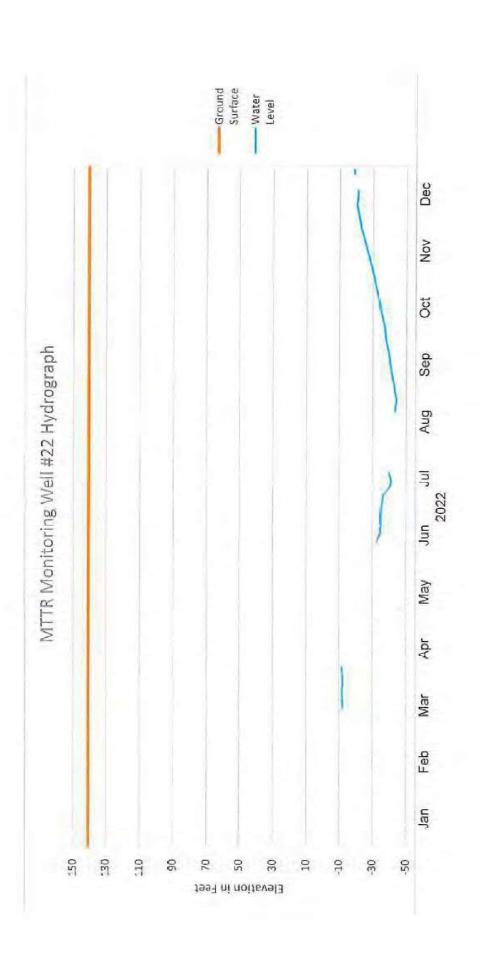
Cross Creek Farms Wells

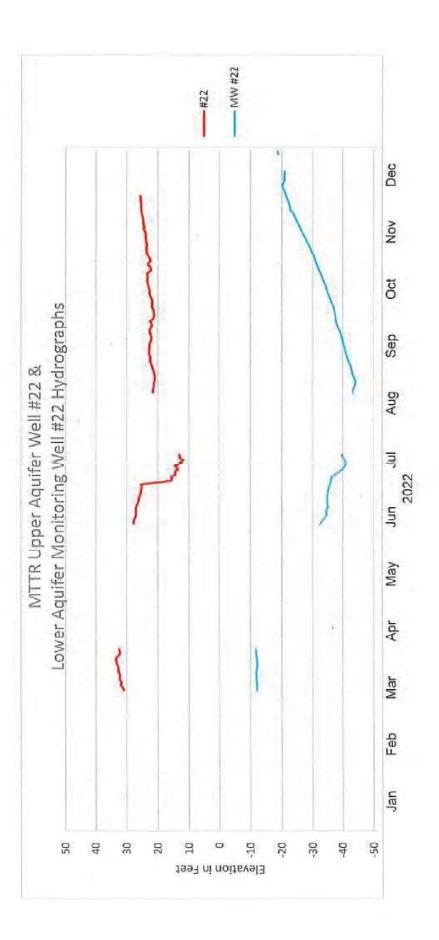
100					Pumpage	(acre-feet)		
Owner	Well No.	Aquifer	2017	2018	2019	2020	2021	2022
Cross Creek Farms	C8	Upper	145	124	764	1,489	1,327	1,511
Cross Creek Farms	C9	Upper	75	150	141	297	179	258
Cross Creek Farms	C11	Upper	732	1,099	0			
Cross Creek Farms	C16	Upper	290	436	535	807	696	614
Cross Creek Farms	C18	Upper	360	668	883	1,226	0	0
Cross Creek Farms	C19	Composite	10	29	0	0	0	0
Cross Creek Farms	C20	Upper	400	485	955	1,217	1,305	1,185
Cross Creek Farms	C21	Lower	100	300	108	206	214	293
			2,002	2,962	3,278	5,036	3,507	3,568
			100	300	108	206	214	293
			10	29	0	0	0	0
			2,112	3,291	3,386	5,242	3,721	3,861

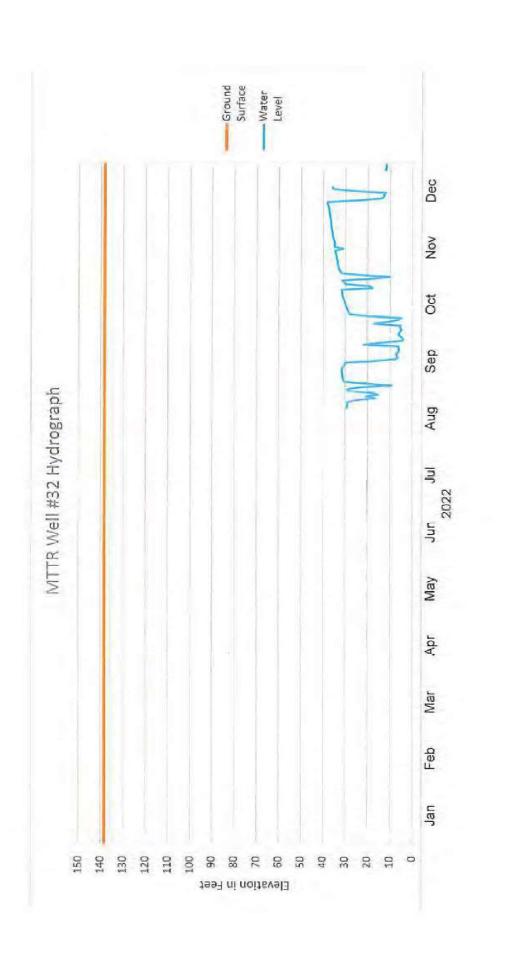
APPENDIX D

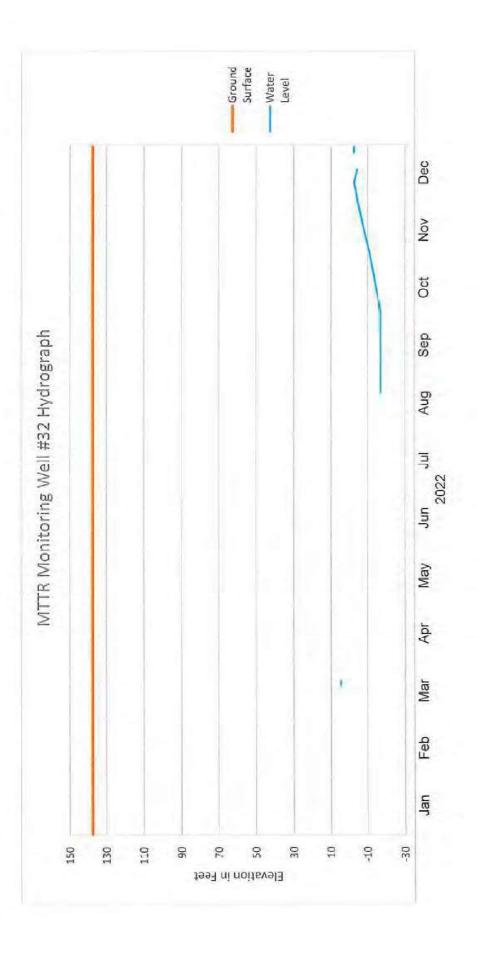
DAILY WATER-LEVEL MEASUREMENTS OF MTTR WELLS EQUIPPED WITH PRESSURE TRANSDUCERS

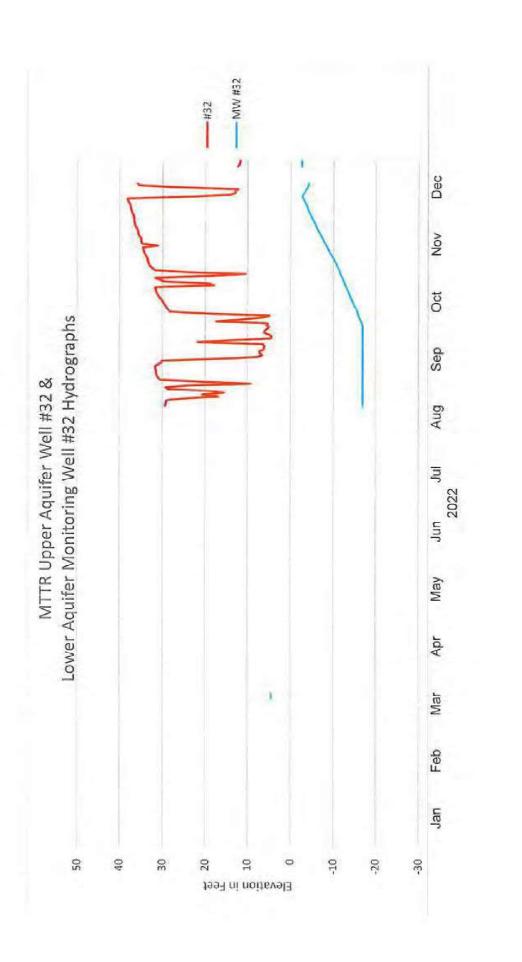


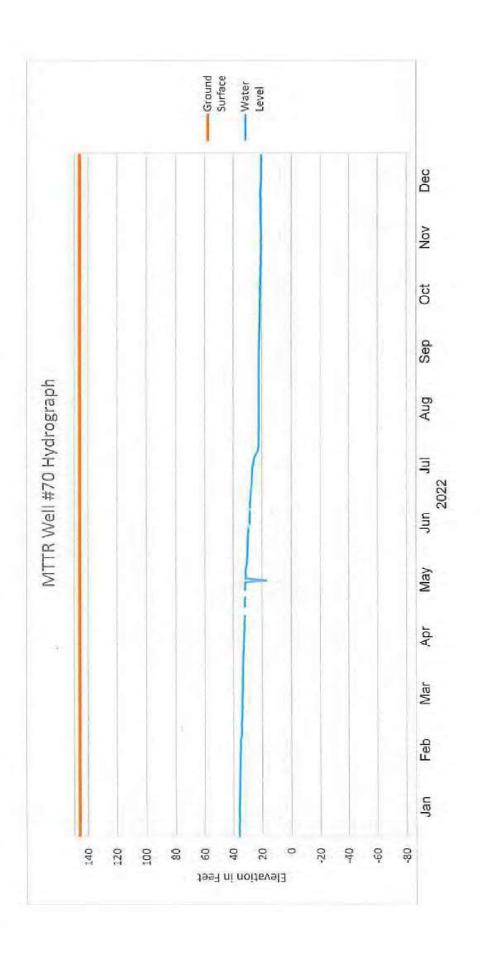


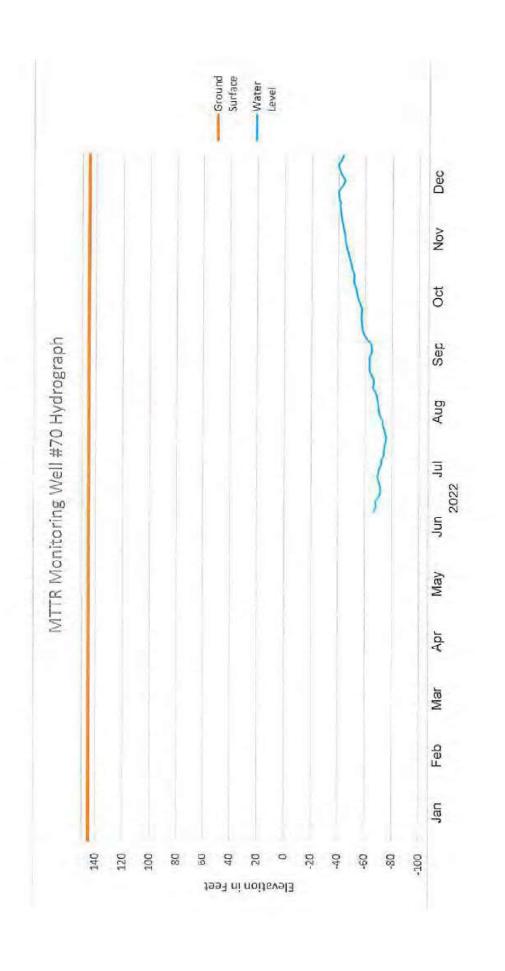


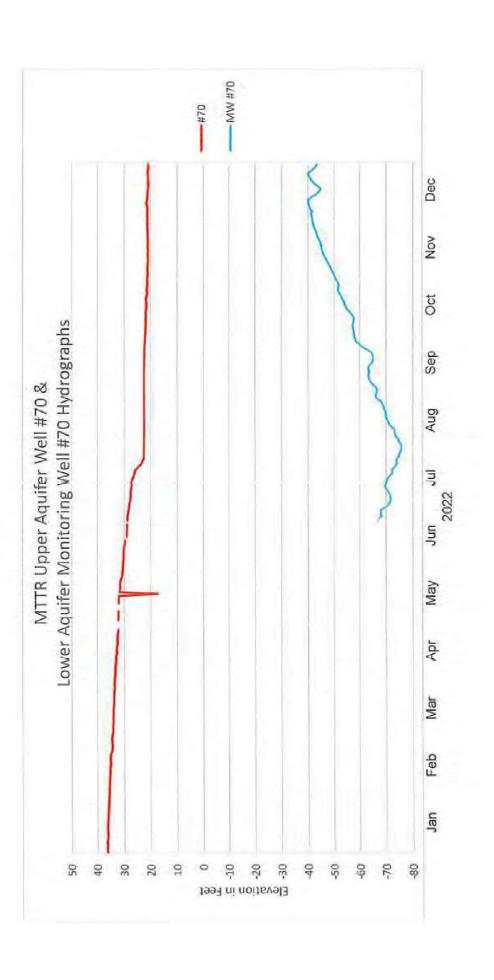


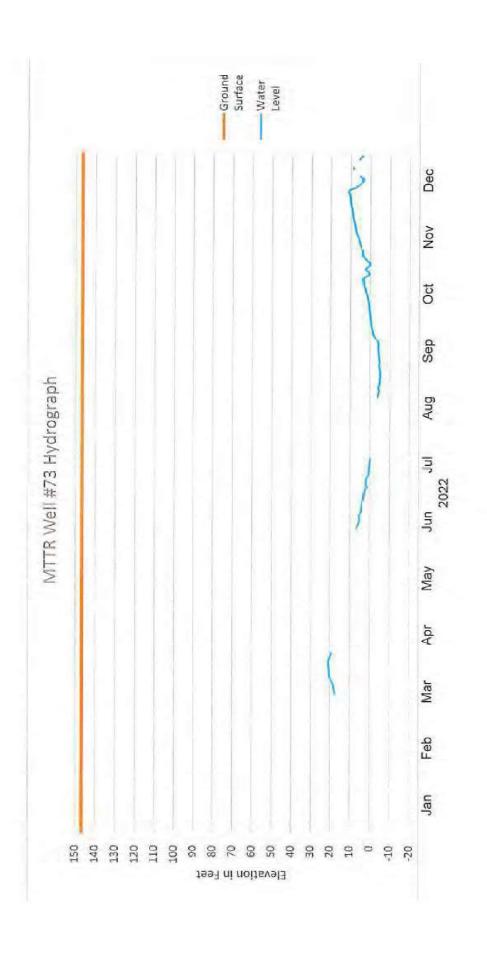


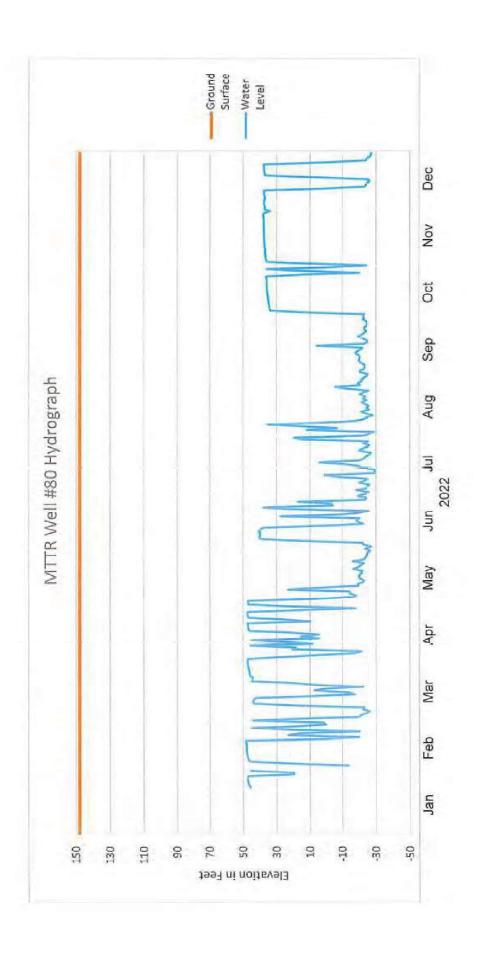


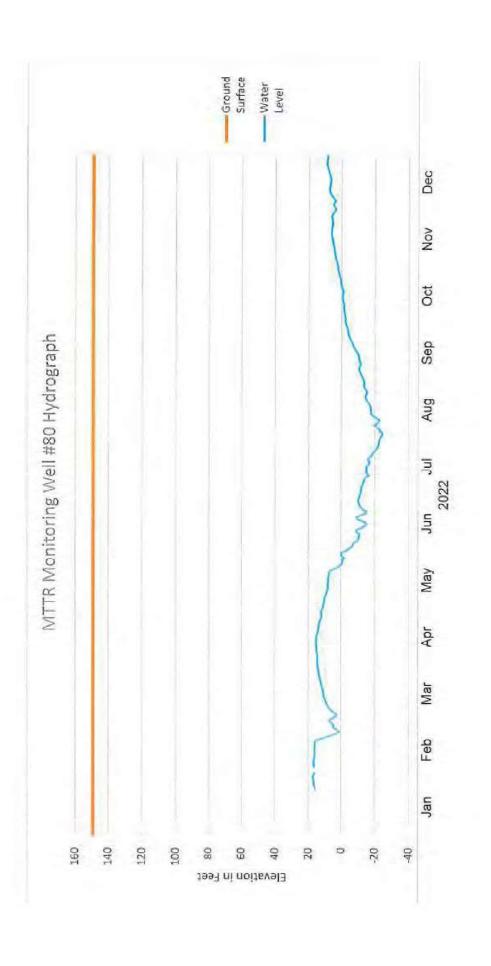


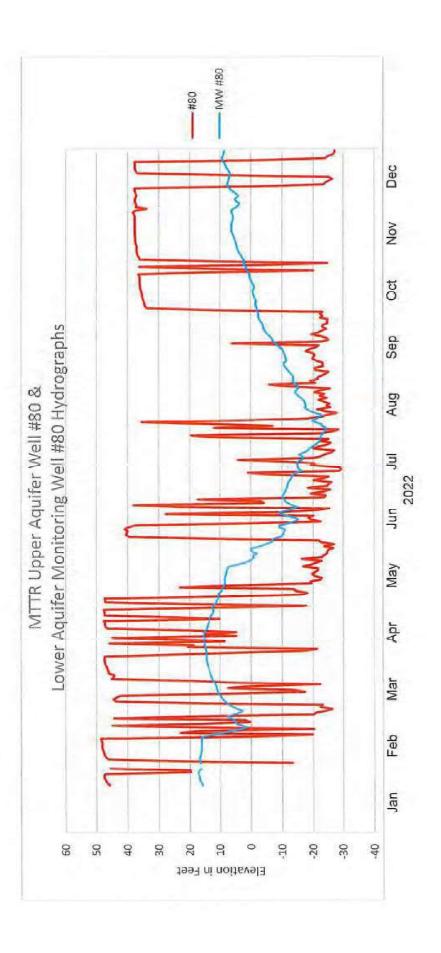


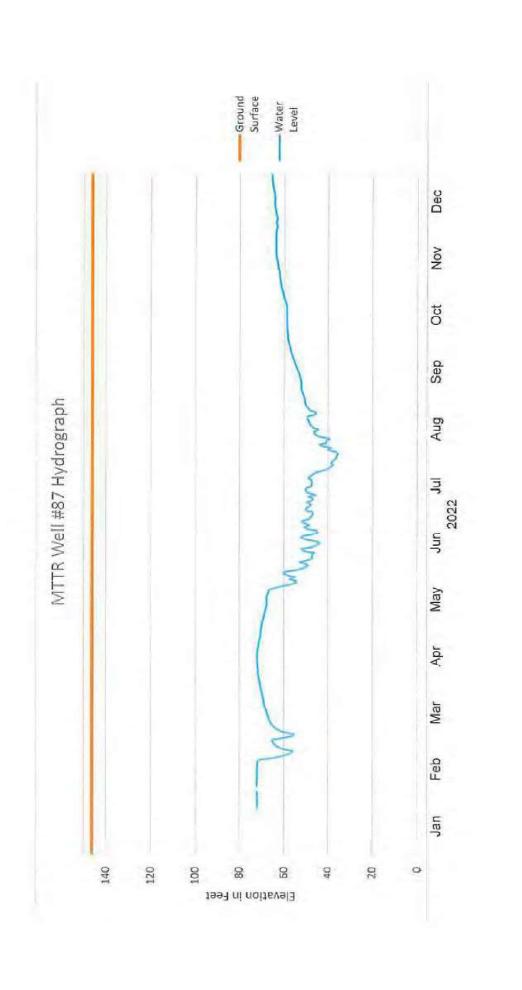












APPENDIX E

WATER QUALITY FOR MTTR & CROSS CREEK FARMS

				g

9-Aug B (ppm) 0.05 0.05 90'0 0,05 2.09 2.257 2.05 2.05 0.61 1.68 0.61 0.61 0.42 0.70 0.85 0.85 1.43 O 2022 2000 900 0.05 0.03 0.03 90.0 9 9 9 9 8 8 8 8 8 0.05 0.05 8-Aug (dS/m) B (3.78 2.75 3.78 2.36 2.84 0.52 1.26 1.28 1.28 0.35 3.25 2.75 2.75 3.74 0.33 EC 90.0 0.15 0.05 90.0 0.04 0.05 11-Aug (dS/m) B (1.47 3.33 0.43 96.0 2.35 3.24 EC 2021 0.06 0.09 0.03 0.03 0.05 0.05 0.00 0.00 0.00 0.00 0.00 0.04 90.0 0.03 0.05 0.05 10-Aug (m) B (0.85 0.76 0.76 0.77 0.38 1.15 0.55 3.72 1,79 3.00 1.31 2.40 1.77 3.85 0.46 .3 3.51 S 2000 0.04 0.04 0.05 0.04 0.04 14-Jul (dS/m) B (p 1.49 2.49 0.95 U.37 0.64 0.35 3.80 0.38 2020 0.00 0.05 0.05 0.05 0.05 0.00 0.00 0.05 0.06 2.60 3.81 0.58 0.41 0.6.1 0.44 0.43 0.43 3.50 1,26 8 (mdd) 0.05 0.00 0. 0.05 40.00 40.00 40.00 40.00 0.08 0.00 0.04 3-Oct (dS/m) B (1,31 3.40 3.20 2.57 0.35 2.59 1.21 2.63 0.47 0.49 0.43 0.43 0.42 3.64 S 24-Sep (dS/m) B (ppm) 0.00 0. 0.07 0.00 0. 3.39 7.245 EC 2019 (mydd) (dS/m) B S (midd) m (dS/m) EC Upper Composite Composite Upper Lower Composite Aquiter Upper Upper Upper Composi Well No. Water Quality Data Owner MATTER A STATE OF THE STATE OF

MTTR Wells

9-Aug 80.00 80.00 80.00 80.00 80.00 80.00 80.00 2 2 2 0.00 2 2 2 2 2 0.08 0.69 EC (d3/m) 2.50 1.02 10.63 2.18 0.72 2.77 2022 B (ppm) 0.08 0.00 0.03 0000 0.0 0.31 (dS/m) 2.32 2.61 0.48 1.98 2,49 4.85 11-Aug /m) B (ppm) 0.03 0.03 0.06 0.05 90.0 0.05 0.04 0.04 0.04 0.04 0.15 (dS/m) 2.41 4.91 4.91 2.94 3.48 2.55 69.0 1.90 2.98 0.85 0.45 0.92 1.94 1.66 2.53 4.91 2021 10-Aug (dS/m) B (ppm) 0.04 0.05 0.11 0.04 1.66 0.54 4,66 CH 0.00 0.04 90.0 0.03 0.03 0 0 0 0 0.35 14-Jul EC (dS/m) B (s 3.01 2.287 5.07 1.85 3 4 2 2 5 0.67 1.31 2.56 0.47 0.91 5.07 (bbm) 0.03 0.0 0.00 0.04 1.63 13-UL 4.18 2.87 0.40 1.79 2.03 0.34 4.81 8 3-Oct EC (dS/m) B (ppm) 0.06 0.06 0.00 0.04 0.00 0.21 0.00 0,05 0.03 0.03 2,78 20 4 8 9 6 4 8 6 0.63 2.08 3.25 3.50 2.46 3.65 24-Sep (ppm) EC (dS/m) B (ppm) 0.03 0.03 70.0 0.42 0.53 3.53 0.46 2 2 3 3 2 3 3 3 3 3 7.24 2019 0.02 0.02 B EC (dS/m) 2.98 19.36 1-Apr EC (dS/m) B (apm) 0.04 0.03 2.35 1,85 Upper
Upper Max Upper Upper Upper Upper Upper Upper Well No. MATTER A STATE OF THE STATE OF

Water Quality Data - MTTR Wells

Water Quality Data - Cross Creek Farms Wells
2021 2022

			7		4.000
			21-Aug	Z-Aug	3-Aug
Owner	Well No	Aquiller	EC (dS/m)	EC (dS/m)	EC (dS/m)
Cross Creek Farms	CB	Upper	0.87	1.03	66.0
Cross Creek Farms	60	Upper	1.89	2.18	1.55
Cross Greek Farms	C11	Upper	1.16	1,05	1.04
Cross Creek Farms	C16	Upper	1.60	1.62	61.0
Cross Ordek Farms	618	Upper	1,55	1.71	1,62
Cross Creek Farms	613	Composite			
Cross Creek Farms	020	Upper	2,08	2,16	2.01
Cross Creek Farms	120	LOWER	0.26	0.30	0.25
		William Fig.	2,08	2,18	6. 40

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			8	
		E		